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# "GARDEN and FARM"

Incorporated with Green's Fruit  
Grower, May 15th, 1902.

GREEN'S



Twenty-fifth Year.—No. 2.

ROCHESTER, N. Y., FEBRUARY, 1905.

Monthly, 50 Cents a Year.

## Our HEALTH DEPARTMENT

**How to Rest.**—Those who are often weary and overworked should aim to take a nap after dinner even though it be no longer than half an hour, it will do much to invigorate them. Many people complain of weariness and overwork who cannot be induced to retire at reasonable hours at night. It makes a vast difference whether they go to bed at 9 o'clock or 12, and yet those who have formed the habit of going to bed late seem to find it impossible to change this evil practice. Plenty of sleep in a well-aired, well-lighted room, will do much to strengthen mind and body.

**Skin of Eggs for Burns.**—An egg is alive. The skin of an egg, that is the covering next the shell, is alive as much perhaps as the skin of our hand. Formerly when a person was burned, or had lost a portion of the skin of the body the skin of another individual was taken from the arm or leg and grafted upon the burned surface. But now it has been discovered in case of burns or other similar injuries, if the wound is disinfected and cleaned and quickly covered with the skin of an egg, taken from a fresh egg, it will cause the wound to heal and cause new skin to appear the same as though skin had been taken from the arm of an individual. The skin of an egg actually grows over the wound, and new skin is formed over it and through it.

**Eating for Strength.**—Do you believe that the more you eat the stronger you will become? If so, you are mistaken. In fact our strength depends more upon the pure air we breathe than upon the food we eat. Many ailing people are urged to eat more, even though their appetites demand but little. This is a mistake. If we do not crave food, it is an indication that we do not need it. Think of the sheep and the cow or buffalo, which, by simply feeding upon grass, becomes strong and full of health and vitality. This teaches that simple food will maintain health and strength. The Chinaman who eats simply rice and no meat can carry a beef eater on his back over the mountain roads of China. It is claimed by advanced teachers that food is intended simply to supply the wastes of the system and that food does not of itself give us strength. We eat too much. Elderly people particularly over eat. Those who would be long-lived are cautioned to limit the appetite for food. The bear is stronger than the lion. He is the strongest animal of his size. With one blow of his paw he has killed a full grown cow, and yet if the bear had his choice of food he will subsist on berries or roots which he digs from the earth, and from honey which he steals from the bees. Mankind eats too much meat. Meat carries into the system poisons which are ever present in living and dead animals. Meat eating causes rheumatism. I believe the time will come when man will eat no more meat.

**Tumors.**—A friend of mine has a small swelling on her neck, at first not larger than a bean. This continued to enlarge until at the end of a year or two it

was about the size of a hickory-nut. It did not pain her and she saw no reason for having it removed, but at the solicitation of friends she submitted to the operation and the swelling was removed without much pain. The doctor informed her that if she had continued to neglect this tumor it would have increased to large size and probably would have cost her her life. No one can tell what these small swellings will result in. They may ultimately result in cancers. Cancers when very small can

**How to Attain Old Age.**—Ventilate your bedroom—sleep with your window open from top every night, no matter how cold the weather. Sleep eight hours, says "American Queen." At least two of these hours should be before midnight. Sleep on your right side. The heart performs its work better when you do this. Ventilate your bed; you cannot do this if it is a folding bed or if the bedstead is pushed up against a wall. Have no heavy draperies in your sleeping room, and by preference

## Health in Song.

Written for Green's Fruit Grower  
by Virginia Gerard.

Just whistle a bit, if your heart be sore,  
'Tis a wonderful balm for pain;  
Just pipe some old melody o'er and o'er  
Till it soothes like summer rain.

Paul Lawrence Dunbar.

There is life and health in song. When the body is tired, the brain weary, or the heart sad, how a melody will soothe us!

How it will take us out of the atmosphere of weariness, discontent, and even despair and transplant us into one of joy, hope and gladness.

Then sing, sing when you can, while you may! Not only sing but have those about you sing.

I know of no better way of spending an evening than by singing or listening to songs and music. You can get anything you want—sacred and solemn or light and gay. You may get joy and hope or sadness and even tears.

Think of those grand old hymns: "Nearer My God to Thee," or "Rock of Ages, Cleft for Me, Let Me Hide Myself in Thee."

When you are tired of the world and feel as though you had no friend to depend on—sing these and still feel dependent afterward, if you can.

But you can't! Your heart will unconsciously pour itself out, and you will feel relieved and will feel as though you still had a friend.

Think of "Annie Laurie," sung by soldiers in a foreign land at a time when they are homesick and heartsick. What images "Bonnie Annie Laurie" will call up for each of these men and how they will resolve to do their work—to even "lay them down and die," for their loved ones.

Song is a great thing. It is a safety valve for the human heart. Then sing, sing, and get all the hope and joy and gladness out of song you can.



The above photo-engraving gives a view of the home of A. F. Campbell, of Kentucky, a subscriber to Green's Fruit Grower. Notice that he has engrafted two sycamore trees so that they unite overhead in one branched top. This is a novelty which will increase in interest as the trees grow older.

be removed without difficulty. I knew a man who had a small swelling on his cheek. He was advised to have it removed but he was very contrary and made it plain to all of his acquaintances that he would die before he would have any cutting done. This swelling continued to increase for twenty years. When last I saw him the swelling was about the size of his head giving him a distressing appearance. I am not in favor of free use of the surgeon's knife but certainly where there is a small swelling that can easily be removed, there should be no delay in using the knife.

The garden is a great medicine chest. Be your own doctor and look to your own slight ailments.

If you are wakeful, eat lettuce.

For affections of the skin and for yellow skin, eat onions. Onions are also good for colds, coughs, scrofula.

For a torpid liver, eat freely of asparagus.

For malaria and general breakdown, eat cranberries.

If nervous and irritable, eat plenty of celery.

For constipation, eat fruits, ripe and healthy fruits. Fresh fruits are good; so are figs and dates. Raisins are beneficial.

When the body is in good condition keep it in good condition by denying the appetite.—Philadelphia Inquirer.

"A fine manner compensates for all the defects of nature."

have a rug that can be taken out of doors and shaken now and then instead of a carpet on the floor. Take a cold bath every morning if your system reacts quickly, otherwise a bath at the temperature of the body. Eat plain, substantial food; eat regularly and masticate your food thoroughly. Avoid intoxicants; they destroy the linings of the throat and stomach besides doing all other manner of violence to the human economy.

Exercise daily in the open air. Allow no pet animals—cats, dogs, rabbits or birds in your living rooms; they are likely to carry about disease germs. Take frequent and short holidays. Several hours away from routine work will frequently give you as much rest as so many days, but the holidays should come often.

Finally, limit your ambition and keep your temper, and you should live to be a hundred.

**Raw Eggs.**—When raw eggs are ordered for an invalid to whom they are objectionable, make as palatable as possible by having the egg as cold as one can make it and then serve it from a cold glass as soon as it is opened, says "Farming World." Of course it is useless to serve any save perfectly fresh eggs.

If the white alone is to be taken, it should be beaten with a whisk until very stiff and frothy, then seasoned with salt or sugar—whichever is preferred, and eaten with a spoon.

**Eat Plenty of Fruit.**—Americans do not pay sufficient attention to fruit on their tables. More fruit and fewer vegetables should be a household's policy. The buying of fruit that is in season means no unnecessary outlay of money, and the results both as to health and satisfaction of the appetite will be encouraging. There are qualities peculiar to each kind of fruit that render it of value to the system. From the point of view of health the raw fruit is far better than the cooked. There is hardly a month that some kind of raw fruit cannot be had. The old farmhouse policy of keeping a barrel of red apples where anybody could help himself was very wise. If it accomplished nothing else, it at least, saved doctors' bills. City homes and small houses and apartments cannot have the apple barrel, but even the people of small means can manage to have some fruit always on hand.—"Woman's Home Companion."

**Three Beans a Meal.**—The statement so often repeated that a Jap will fight for twenty-four hours on a ration of two or three beans and a sip of tea, has been at last explained. The Japanese bean is not the common horticultural bean with which are gardens are acquainted, but a vegetable often a yard in length, and large enough to fill a quart measure. A single bean makes a meal for a hungry ploughman.

A man never knows what a woman thinks of him until after he has been married to her at least six weeks.



### How to Keep Boys on the Farm.

And all this time a cool creek, a mile away, loitering in deep silent pools in shady places in the woods, or breaking into merry dancing ripples over the pebbles? And in the deep holes, the fish lying around, lonesome. Well, then, you know why some boys leave the farm. Still boys can be kept on the farm and made to stay there all their lives. You drive a long spike through a boy's abdomen and through a live oak tree and clinch or bolt it to the other side, and then he will stay on the farm. Yes, there are some other ways we know, but this is the only infallible method.—Brooklyn "Eagle." (The above hits pretty hard, but hits truly, for the average boy's life on the farm is not altogether an enjoyable one. He rises early, works hard all day, finds himself too tired at night to enjoy reading or other pastime, goes to bed, rises early again, and drudges on in the same routine, usually with no pecuniary interest in the enterprise. Set apart a few acres for fruit growing, and give the boy sole charge of it, with all or a share of the profits. If this does not brighten the boy and tie him to the farm, try him on poultry or fancy cattle. Every boy has a leaning towards some pursuit, and it is the father's duty to give him an opportunity to develop his peculiar faculties.—C. A. Green.)

The way of make love to a woman is to pretend she isn't doing it.

Molasses catches more flies than vinegar and bonbons more wives than virtues.

It is human nature to prefer to pay ice bills in winter and coal bills in summer.

One comfort to a woman in having her husband sick abed is that she feels she can trust him there.

The thing a man can never understand is that women's stockings are made the same for all thicknesses of legs.—New York "Press."

We should dress in light grey or brown clothing who works about farms. Black or blue clothing shows every particle of dirt. Buy such colors as will permit your shaking a flour bag without obliterating the color of your coat. My work is mostly office work, and one might suppose that I could wear a blue suit, but if I do, surely that day I would find myself squeezing through dusty barrels, or in some place that makes my clothes look as though I had been threshing. No, I like to wear on the farm a suit of clothes that do not show the dust, and in which I can feel free to jump astride a horse bare-back, or shake a buffalo robe without employing two boys to brush me for an hour afterwards.

The rudder of a yacht is a stern reality.

A railway time table—twenty minutes for dinner.

No young man ever considers his best girl too good to be true.

It is easier for a woman to conceal her love than it is to hide her indifference.

When society turns out to see the horse show the horse hasn't much show.

It is the man who puts his hand resolutely to the grindstone that keeps the other fellow's nose there.—Chicago "News."

An expert and experienced official in an insane asylum said to us, a little time since, that these institutions were filled with people who have given up to their feelings, and that no one is quite safe from an insane asylum who allows himself to give up to his feelings. The importance of this fact is altogether too little appreciated, especially by teachers. We are always talking about the negative virtues of discipline, but we rarely speak of the positive virtues. We discipline the schools to keep the children from mischief, to maintain good order, to have quiet, to enable the children to study. We say, and say rightly, that there cannot be a good school without good discipline.

The following is a good way to mix whitewash so it will not rub off: Mix up half a pailful of lime and water ready to put on the wall, then take one-quarter pint of flour, mix it up with water; then pour on it boiling water, sufficient quantity to thicken it; pour while hot into the whitewash; stir it altogether and it is ready for use.

If men were compelled to eat their words there would be an epidemic of indigestion in this country.

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Farmers, you will find by practice that it is not only agreeable but that it is policy to keep on the right side of your hired man. Treat him well so long as he is in your employ, and if he does not deserve good treatment, or respond to it do not keep him. A good hired man will appreciate good usage and kind favors and pay for them by the extra amount and better quality of his services. The same good hired man will resent abuse. The man who will allow himself to be treated like a brute is probably deserving of such treatment. It is courtesy to treat all men decently. In the case of your hired man, it is also policy and economy. If your man works faithfully and well in your behalf, try to appreciate it. Be liberal with him, not only at the table, but give him occasionally a spare day for amusement and recreation. Any intelligent hired man will work harder and perform his labor better when he feels that his employers appreciate well doing.

**A Leather Varnish.**—A leather varnish or polish, said to be of peculiar adaptation, is prepared at Gunther's establishment, Berlin, by mixing filtered solution of eighty parts of shellac in fifteen parts of alcohol with three parts of wax, two of castor oil, and a sufficient quantity of pigment—this mixture being evaporated in a vacuum to a syrup. The varnish is applied to the leather with brush moistened with alcohol.

Tell Isaac Wheelock to put two or three good yeast cakes in his cider and leave the bung out, with a piece of wire net tacked over the hole, and he will soon have good vinegar.

**Experimental feeding in the United States army** has resulted in establishing the following ration of forage for horses: Twelve pounds of oats and fourteen pounds of hay every day, with a salted bran mash twice a week. This may be the best way to feed an army horse, but a shipper who wants to put a high stepper in condition for the market usually feeds him all he will eat of a steam-cooked mixture made up of one part cracked corn, one part oats, two parts bran and one-half part whole flaxseed. An experienced feeder says this ration, with hay, will transform a thin horse into a fat, sleek, high-lifted one, quicker than anything he ever saw.

Loose, porous soils, underlaid by sand or gravel, are drained by nature; but all land that is underlaid by clay, rock or other impervious material need draining. What is to be gained by underdrainage? The surface of the water in the soil is lowered. The roots of the cereal and grasses may penetrate as far as the surface of the water, but never into it. It is necessary to draw the water off to such a depth as will give the roots of growing crops plenty of room to reach downward for that nourishment that is necessary to their growth. If the water is only one foot from the surface, the roots of plants have only that amount of soil from which to gather nourishment with the disadvantage of having their feet wet by capillary attraction. Only aquatic plants grow well with their feet in the water. The lowering the water below the surface prevents a large amount of evaporation and its effects in cooling the soil. The water being removed, air and warmth are admitted to the soil. Drained lands are for this reason ready for planting at least one week earlier in the spring. The growth of crops is quickened through the summer by the increased temperature of the soil, which amounts to several degrees, and the injurious effects of early frosts are prevented in the same manner. Crops are, therefore, given an increased period in which to make their growth of at least two weeks.—"Exchange."

Let us be thankful for the sunshine. The oil in our lamps, the coal in our stoves, the clothes we wear, the food we consume may all be called the products of sunshine. Without sunshine this earth would be dark, frozen and uninhabitable, no spring or autumn, only one long eternal arctic winter. The sun is 95,000,000 miles distant from us, yet its rays warm our soil, and start the growth of our plants, and even scorch our faces. There is heat enough given out each day from the sun to heat 55,000,000 worlds rolling in a solid concave about it. So the sunshine that creeps into your rooms these winter mornings, is not such a simple thing after all.

A boy never likes his father to keep a promise if that promise means a lick-in'.

If bendin' over the wash tub gives an advantage in the game of golf, our women folks ought to be winners.

The reason folks can't take a love story for their guide is that it generally ends just before the trouble begins.

Some people seem to think happiness is inherited, and they sit around waitin' for somethin' they can only get by work-in'.

All women get a title when they marry, but the one with plain "Mrs." heads the list.

A cramp in his bank account keeps many a feller out of the swim.

The trouble with some folks is they only enjoy the work that some others are doin'.

Every young feller thinks he can do as he pleases when he's grown, but just wait till he gets married!—"Farm Life."

The "Kansas City Packer" says editorially that the real cause for the tendency to return to the farm and take up agriculture as a pursuit is because "the agriculturist has become a professional man. The college and university have added a special course for his benefit, and given him a degree. He is a botanist and a chemist, and science has taught him to take the jaded and worn-out farm, and with intelligence cause it to blossom like the rose. The dispiriting labor which bent the form of the elders and sent the lads scurrying cityward has been lightened by devices that better accomplish the end sought. The long hours are shortened, and the farmer finds time to indulge in the enjoyments of life."

We much mistake the object and scope of education when we suppose that a residence in college halls is necessary to an education. We believe in colleges. They stand as outposts against ignorance. Thousands of the best men and women have been educated by them; but an education outside has been accomplished with excellent success in a multitude of instances. We often hear of very successful men in business spoken of as "uneducated." Are they? One in mind had a thorough knowledge of men. He could read them like a book. His judgment of stocks and investments was excellent. He had aggressiveness, caution, and yet was almost lavish in his outlays. He knew nothing of either Greek or Latin, but was well versed in the language of business. As a commander of men he was unexcelled; yet he was "uneducated." Was he? The most important definition just now needed for the new dictionary, soon to appear, is for this old word "education."

**The Oak.**—So far as experiments have shown, oaks are the best shade trees for cities. They are strong, durable, and beautiful and have few enemies. Owing to a popular notion that oaks grow slowly they have heretofore been little planted on streets, but several cities are now beginning to make use of them. The oldest oaks are to be seen in Hamburg, where the city has encroached upon the ancient forest. An avenue of this same species (Q. pedunculata) has been recently planted in Cologne, which, so far as I have observed, is the only city in Europe that has made use of the oak for street planting. In this country, the oldest oaks may be seen in Washington, where the red oak and pin oak in particular have been very successfully grown. Red oaks have also been recently planted in Boston between Franklin park and Huntington avenue.—From Cornell University Experiment Station Bulletin.

The use of gelatine for clarifying cider is practiced to some extent, as is also the use of blood, lime, plaster of Paris, alum and the whites of eggs. If gelatine is used, it should be in the form of isinglass, which should be dissolved in water or weak boiled vinegar, and added to the cider. The alcohol or tannic acid in the cider will coagulate some of the gelatine, and in falling it will bring down with it the impurities in the form of a sediment. If a cider has but a small amount of spirit or astringent in it, it may not coagulate the gelatine sufficiently, but a good ordinary cider would probably do so. Two or three ounces of gelatine would be enough for a barrel.—"Farm and Fireside."

### Farm Notes.

See that the outlets to your drains are free. Such outlets require constant attention.

Look out also for the mice and rabbits in your orchard, also for the snow banks that may crush your trees and plants.

Exercise animals confined in stalls. No animal can remain long in good condition if confined in one position without exercise.

It is quite necessary that the apartments in which the cattle, horses and fowls are confined should be kept well lighted.

A plant has been discovered in Arizona that promises to be of great value as a tanning agent, as it adds weight to the leather.

See that there are furrows plowed in your fields so that the water can escape freely. This applies specially to the wheat and berry fields.

If there is a knoll in your wheat field spread a load of light straw manure over it when the ground is frozen, and notice what an improvement it will make in your crops.

Keep your cellars well ventilated. This may be done by connecting your chimney with your cellar by a stove pipe, through which a vast amount of foul air will escape.

The individual who is constantly exposed to winds and storms seldom catches cold. Remember this, you who are always shutting yourselves away from every exposure in order to be healthy.

See that your horses, cattle and fowls have a variety of food. You recognize on your own table the necessity for a change of diet. Remember that your stock will appreciate a change as readily as yourself.

Keep the milch cows clean, also the stables in which they are confined. Consider the idea of going into a filthy stable to get a pail of milk for the table, knowing that milk will absorb bad odors in a few minutes.

Bushel crates with slatted sides are a handy device for handling potatoes, or apples, or for storing them. When filled they may be piled one over another five or six feet high. These do away with bins in the cellar.

Look to your drinking water supply, and be sure that you are drinking pure water. If milch cows consume impure water, it is almost as bad as though you consumed it yourself, if you use the milk and butter.

It will be time enough to mulch strawberries after you have received this copy of the Fruit Grower. Do not cover them too heavily, as a light covering is all that is necessary. Forest leaves are a good protection if they can be held in place by something heavier.

**Hired Help.**—I have had experience with hired help in both ways. If I have abundant household help, and can be sure of always getting competent young men of good character, I would much rather have the single man in my family. But if my wife has the care of a family of small children, and doing much or all of the household work herself, I have no right to add to her work the boarding of strange men. Our wives are all so willing to do their share that they are often imposed upon, and do much more than their share, with the result that they are worn out and broken down before they have lived half their days. We should not make a boarding house of our farm home while the wife is rearing a little family. We should have a tenant house for our farmer, or if living near one of the industrial centers, where it is almost impossible to get such single help as we want to take into our families, we must have the tenant house.—"Practical Farmer."

Harnesses that are continually used and are liable to become wet from rains and to be moistened by the sweating of the animal, require to be dressed with a preparation of oil to maintain a pliable condition and to preserve the life and strength of the leather. Below we give a receipt that is employed as a government harness dressing, viz: Take one gallon neatfoot oil, two pounds bayberry tallow, two pounds beeswax, two pounds beef tallow; put in a pan over a moderate fire; when thoroughly dissolved add two quarts castor oil; then while on the fire stir in one ounce of lamp black; mix well and strain through a fine cloth to remove all sediment. This affords a good dressing and should be applied as often as the harness requires to keep soft.

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We have observed that in the rush of Spring planting many gardeners are inclined to reduce the size of their garden because they believe they haven't time to care for it properly. This is a mistake. With the use of proper tools—Planet Jr. tools, for example—it is possible even to double the garden, yet really lessen the work. Planet Jr. tools are so thoroughly improved that they are in the front rank of labor-saving implements.



It is to the interest of every one of our readers who has a garden to get a copy of the finely illustrated new Planet Jr. Catalog. Aside from its worth as an artistic publication, it is invaluable as an all-around guide in the selection of garden implements. One of its interesting features is a description of the entire Planet Jr. line of tools, which include plain and combined seeders, wheel hoes, hand and walking cultivators, harrows, two-horse riding cultivators, sugar beet cultivators, etc. As a leader we illustrate here with the No. 4 Planet Jr. Combined Drill—an implement whose range of usefulness is almost unlimited. As pictured, it is an accurate, thoroughly dependable seeder for both hills and rows. It opens the furrow, drops the seed, covers at the required depth, rolls down, all as fast as the operator can walk. Not only can its users do better work, but many times more than by the old methods, and still with less exertion and consequent fatigue. With its many quick-fitting attachments, No. 4 can be changed almost instantly into various tools, capable of doing the finest kind of work in hoeing, either to or from the plants, furrowing, ridging, cultivating, marking, etc. It is truly a revelation as a money and time saver.

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## A Winter Evening.

Written for Green's Fruit Grower by George F. Cole.  
O'er western hills the sun is low,  
Its light in the vale goes slanting through,  
Far over the reach of glimmering snow,  
And tinging the woodlands a brighter hue.

The wind has vanished and all is still,  
The tree-tops are all silent now,  
Yet outlined on yon distant hill  
I plainly see each waving bough.

The flowers grow not in the lane,  
And o'er the fields where snow lies deep,  
But I know gladly they will come again  
When springtime wakes their silent sleep.

Softly the evening shadows fall,  
Over the hills the sun goes down,  
Slowly the darkness covers all,  
And hides the distant murmuring town.

## Boys on the Farm.

First, by early giving the boy a position of independence; by never making of him a slave, a hired hand, mere help; by giving him, as soon as he knows the difference between "mine" and "thine," something of his own—a horse, a pig, a cow, a calf, a few hens, an acre of ground—something that he may see, and feel, and enjoy, and work over and help to increase, something that shall be all his own; by adding to his belongings as he grows older, letting him earn these additions if you will (and, indeed, this is the better way), but at all events letting him early know the meaning of growing responsibility, and realize the value of money and work, says "Farm and Fireside." This begets strength of character, pride of possession and purpose in life, which are, after all, the kernel of an education. It sets him thinking, planning and working. Perhaps ere he has reached manhood's estate he has acquired to himself a quarter of the old farm. What of it? In addition he has also acquired self-reliant manhood, and by independent, self-directed study he has learned, until perhaps he may even teach his elders. Such a boy soon becomes a reader of farm literature and a student of farm matters. He anxiously awaits the coming of the next farm paper, that he may learn to correct some mistake or improve on an old method. He is found trying new things and discussing with you or with his associates ways and means which, were he a mere dependent, he would let others solve for him instead of attempting the solution of them himself.

Second, be his companion. Too many fathers withhold from their sons the pleasure, comfort and help of their comradeship. What a mine of experience is hidden under the snowy locks of that old farmer!

Wages of Kings.—Although the President of the United States is ruler over 75,000,000 of people, his salary is only \$50,000, while the King of Portugal, ruling only 4,500,000 people receives each year \$775,000.

The King of Saxony, a king in name only and by no manner of means in fact, the most important and arduous affairs of Saxony being controlled and directed from Berlin, receives a salary of \$720,000, the area of Saxony being 5,800 square miles and the population 3,000,000. The president of the republic of France gets an annual allowance of \$125,000 but there is an enormous additional allowance for expenses. France is a nation of 60,000,000, colonies included, and the president of the French republic exercises legal jurisdiction over 3,600,000 square miles of territory.

In strange comparison with the salary of the chief ruler of France is that of the Emperor of Austria, who receives each year \$3,775,000. The King of Sweden and Norway, within whose domains 6,700,000 persons live, has \$575,000 a year salary. The King of the Belgians, who ostensibly directs the destinies of the people of that populous and prosperous country, receives \$660,000, while the ruler of the Netherlands gets only \$300,000, though the population of the Dutch colonies in various parts of the world is nearly 30,000,000.

## Gift Pecan Trees.

We have several thousand small Pecan trees, grown from seed of the best pecan in the world, that is, from seed of the C. A. Green Pecan. This pecan is of large size and its desirable feature is that the meat is very plump and of the finest character and quality. These little trees are not budded or grafted, but we have reason to believe that they will partake something of the character of the parent. We will mail one of these trees postpaid as a premium to each subscriber of Green's Fruit Grower, who pays 50 cents, claiming this premium when he subscribes.

Some husbands believe that beauty inexpensively adorned is adorned sufficiently.

## What to Plant.

If fruit is not wanted, sugar maples or Norway spruce will make full use of what space they can get, and will prove convenient sources of sweets and chewing-gum for the planter's children and grandchildren, besides being handsome and satisfactory trees, says "American Cultivator." Whatever is planted, there should be proper thought of its future growth, and it should neither be planted nor trained in a way to shade the house too much and cause dampness, or to decay the roofs of farm buildings. The pruning saw will adjust the growth to requirements if reasonable care is taken when planting.

Around the porches vines are commonly grown for ornament and shade, the grape and gourd being the only ones of much practical use. Some varieties of the hop are very ornamental. The willow leaf lima bean is sometimes grown in such places trained over white netting. The leaves and big clusters of pods are handsome.

Sometimes there is a large strip of ground which for some reason has not been put to much use. A Missouri gardener writes: "On a strip of land five feet wide and 250 in length, where weeds formerly grew (the leaves and stalks of which have formed a loose, rich soil, I planted several rows of Gregg and Cuthbert raspberries, a bed of strawberries of a self-pollinating variety, in rows two feet apart and the plants fifteen inches apart in the rows, and a number of gooseberry and currant plants. From this strip, which I gave especial care, I supplied our table throughout the season and sold several bushels of fruit. I do not refer, of course, to the first year's product, which was small. Rhubarb and asparagus, too, I find are excellent for fence corners and furnish many a toothsome dish. The asparagus bed, once established, requires little care, only an occasional weeding and thinning being necessary."

But asparagus or rhubarb should not be set where they can not be easily taken care of. There is very little satisfaction in a small and inferior supply which comes late in the season and stops early. These plants will well repay for high culture even if only a few roots are grown.

When you have the disposition to read, what a pleasure to have something worth reading right at hand. You may have only a few minutes' time and you want something that's interesting right from the start, or, maybe, instructive—but something to fill in the time between other work. A book wouldn't do. You might have to put it down just at the wrong time for the story—and your good nature—and the reading benefit would be spoiled. Another reason for the existence of Green's Fruit Grower is that it has something for your mood—a Woman's Department, a Good Cheer Department, a Nature Study Department, a Poultry Department, a Health Department and a Story Department—aren't these enough to interest you? They do interest 120,000 persons who are its regular subscribers, and several times that many readers every issue. But we want to reach the rest of the 60,000,000 people in this country, and you and likely some of your friends are of that number. A sample copy, which we will send, will be helpful to them, but not nearly as satisfying as a year's subscription. It's 50 cents a year.—Green's Fruit Grower, Rochester, N. Y.

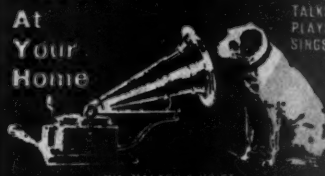
Roquefort Cheese.—A shepherd lad, having more luncheon than he could eat, laid a large portion of his bread and cheese upon a natural shelf in one of the caverns near by. He forgot all about it until several months later when he found that the cheese instead of being dried up or rotten, was rich, moist, creamy and streaked with greenish-blue veins. He shared his piece of cheese with others, and the villagers were quick to recognize the improved texture and quality. Henceforth all their cheeses were taken to these caves to ripen. The caves are now owned by a company, which employs 600 women to tend the cheese.

"Do you mix anything with your candles?" "Well—ahem—a little glucose, perhaps." "Anything else?" "Perhaps a little clay." "Any chalk?" "Only a very little—not enough to speak of." "I was wondering why you didn't have your candles made at a regular brickyard, of the regular material, so you could warrant to purchasers."

Dr. Thorley, a medical town councillor at Bolton, England, calls small bedrooms death traps, and the council is seeking parliamentary powers to prescribe a minimum cubic space for bedrooms.

While the fool takes things as they come the wise guy goes after what he wants.

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FREE to those who already own a Victor; \$5 of our new soft tone, non-scratching needles. Write for free sample package. Charges prepaid on Victor and Edison Records.

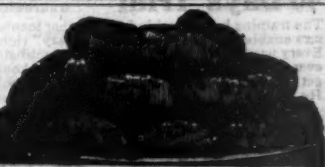
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## RED RIVER VALLEY EARLY OHIO.

grown in the cold Northwest, are unsurpassed in vigor and in early maturity. Old people say seed is the best that can be obtained. Very large stock in store. Prices reasonable. Send postal for Complete Seed Catalog of All Leading Varieties Potatoes, Corn, Oats, Barley, Grass Seeds, Garden Seeds, Etc.

L. L. Olds Seed Co., Drawer O, Clinton, Wis.

## SEEDS \$1.50 worth to Test Free to Everybody.

I want every reader of this paper who plants a garden to send for my Free Trial Complete Garden Collection, consisting of the following 18 Grand New Varieties of Seed.

Beet, Porcelain Red Turnip, earliest, sweetest, best. Carrot, Yellow Giant, monstrous size, great cropper. Cabbage, Early Wonder, wonderful early, solid heads. Cabbage, Winter Wonder, large, fine, sure to head. Celery, Winter Giant, large, crisp, finest winter sort. Cucumber, Family Favorite, best for eating or pickling. Lettuce, Crisp as Ice, early, tender, heads finely. Musk Melon, Louisiana Gem, fine flavor, best known. Onion, Pinner, wt. 8 lbs., 1,500 bush. per acre. Parsley, White Sugar, sweet, long, smooth roots. Radish, Striped Triumph, handsome, early, crisp. Tomato, Early Tree, early, large, red, tree shaped. Turnip, Sweetest German, large, sweet, keeps well. Sweet Peas, 1-d oz. California's Best, dried colors. Flower Seeds, large packet, 100 sorts mixed together.

I wish to give you the above 18 packets as a Free Trial of my superior seeds, believing that after one trial you will always buy of me. To prevent people sending who have no use for seeds, I ask you to enclose 10c, as a guarantee that you will plant seeds and when received show collection to your friends. I will promptly mail the 18 packets (well worth \$1.50) and enclose a due bill for the 10c, which you can return to me at any time with an order for 50c, or over of seeds, and get your selection of 10c worth free. Thus this trial is absolutely free. Catalogue free. All warranted. Tested seeds supplied at J. J. BELL, Deposit, N. Y. about wholesale prices.



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For several years hundreds and thousands of enthusiastic poultrymen the world over have said of the Standard Cyphers Incubator: "You can't improve it." But the Cyphers Incubator Co. believes in progress and advancement and for 1903 announces several very important improvements in its machines, especially in regulation. Its new improved Thermostat and regulating device is the highest type of scientific self-adjustment, combined with durability and practical working value. You can't make it go wrong. This, with other patented, exclusive features, enables the company to give the Standard Cyphers Incubator the strongest guarantee ever placed on an incubator. At the same time owing to improved facilities for manufacturing in the largest incubator factory in the world, the company is able to make a very radical reduction in prices for 1903. A number of new machines have been added to the company's line, including the Hare-Curtis Hygienic Brooder which is already revolutionizing the rearing of chicks, and two new special incubators at \$6.50 and \$10.

No one who raises poultry can afford to overlook these improved facilities. Investigate at any rate. Send today for the new Cyphers catalogue (32 pages, 8x11) describing not only the Standard Cyphers Incubators and brooders, but more than 60 articles all manufactured by the Cyphers Incubator Co., and guaranteed, every one of which is a real help to bigger poultry profits. The book contains more than 450 illustrations and six special chapters by experts on profitable poultry keeping. Address nearest office and mention this paper.

**CYPHERS INCUBATOR CO.**  
Buffalo, Chicago, Boston, Kansas City, New York City, or San Francisco.

**TOOLS FOR CAPONIZING FOWLS**  
FOR SALE, with full instructions for their use. Address,  
**GREEN'S NURSERY CO., Rochester, N. Y.**

## Do You Want Your Chicks to Live?

Send for my new, free 48-page book, "Poultry Helps," printed in colors. Describes the only sure and natural way of raising all the chicks you hatch.

**DON'T BUY**

a brooder until you read this book. It will make money for you. Incubator buyers and persons who have suffered loss from poor brooders, are urged to investigate. It points the way to poultry success. Send today.

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**\$10.00 FOR ALL**  
That's all it will cost to get one of our 100-egg incubators complete. Sold down at your railroad station, all freight charges prepaid out of Rocky Mountain. All ready to operate.

**SURE HATCH INCUBATORS**  
are the world's standard incubators. Three walls California redwood. Asbestos lined throughout. Copper hot water heating system. 180 square inches heating surface to water heater. Only thirty minutes for full heat. All machines acid on 60 Days' Trial, giving you every opportunity to be sure you are right. Every machine carries a 6 years' guarantee. You take no risk with the sure hatch—40,000 have hatched in use, giving satisfaction. Send for free booklet. If you live east of Mississippi River address Indianapolis; if west, Clay Center. **SURE HATCH INCUBATOR COMPANY**, 2500 Clay Center, Neb. 10010 Indianapolis, Ind.

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Johnson started his new Pay-for-itself hatcher last year and raised a rumpus with high prices. Don't get fooled. Put your trust in

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The incubator that is sent on **40 Days Trial** with **Five Year Guarantee**. The training he got making 30,000 other incubators enabled him to make "Old Trusty" right. Every user says it's right. No other incubator ever got in first rank the first year. You should get Johnson's Free Catalog and Advice Book. He wrote it. Makes his success your success. **M. M. Johnson Co., Clay Center, Neb.**

## PRAIRIE STATE INCUBATORS AND BROODERS

Measure their success by the success of users. Twenty incubators sold first year; 20,000 sold in 1903. Went all over the world. Winners of 885 first prizes. Write for our FREE catalogue.

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Box 408, HOMER CITY, PA.

## WHY SO SURE?

It's made on the right plan. It brings best results to the beginner as well as the experienced poultry raiser.

**THE Successful**

is the nearest of all the out and out automatic machines, both incubator and brooder. They can be depended upon under all conditions to hatch the most and brood them the best. All eastern orders have prompt shipment from Buffalo. 100 pens of standard fowls. Incubator Catalog free, with Poultry Catalog 4c. See Moore's Incubator Co. Dep. 16, Dec Moines, Ia.



**Disinfecting.**—When roup or some contagious disease attacks the flock, not only is it best to destroy the fowls rather than to spend days or weeks in the attempt to cure them, but the entire premises should also be disinfected. This may be done in several ways, but the cheapest method is to dissolve one pound each of copperas and bluestone in four gallons of boiling water, then add six gallons of cold water, and sprinkle or spray the house and yards.

**Parched Grain.**—If the hens refuse to readily accept wheat or corn, make a change for them by parching the grain. Oats are excellent when parched, and so is corn or wheat. Any change will prove beneficial where the food is but little varied. Very often a change from grain to sunflower seed will induce laying, and a change back to grain will also be relished. In the meantime give a ration of meat and bone, and also allow skim milk if it is plentiful.

The professional poultryman, especially if he be a market poultryman, is obliged to do many things which the amateur is not obliged to do, and, indeed must not do if he would learn what he most wants to know. If the amateur wishes to spend more money upon his flocks than they can possibly pay back, in order to test ideas, and make experiments that will give him knowledge, he can do so. The professional can not. The amateur has discovered, among many other discoveries, that it is possible for hens to lay exceedingly well for four, five or even more years, in certain circumstances. The professional egg farmer does not keep stock that long, and, even if he did, does not, as a rule, so breed and feed that he would be likely to obtain such results.

**Gravel for Poultry.**—Everybody knows that the hens have no teeth, and that the food is masticated in the gizzard. But the gizzard itself is but a feeble agent, and can not perform its functions without the aid of some substance that is hard and sharp. Nature, therefore, prompts the hens to pick up and swallow gravel, glass, small shells and other substances, and it may be noticed that they prefer such as are sharp and irregular. Round bits of gravel do not serve the purpose, though better than nothing, and the gizzard is not injured, no matter if the sharpest and keenest glass be swallowed. The food and hard substances are kept in constant motion while in the gizzard, and the entire contents are ground into an impalpable powder and passed into the stomach.—"Woman's Farm Journal."

**Reservation of Hen Manure.**—By itself, hen dung is a one-sided nitrogenous fertilizer. As usually managed, one-half or more of its nitrogen is lost, so that as ordinarily used it does not carry so great an excess of nitrogen, says Maine Experiment Station. Because of its excess of nitrogen it will be much more economically used in connection with manures carrying phosphoric acid and potash. As both acid phosphate and kainit prevent the loss of nitrogen, it is possible to use them in connection with sawdust or some other dry material as an absorbent so as to make a well-balanced fertilizer. For example, a mixture of 30 pounds of hen manure, 10 pounds of sawdust or dry loam, 16 pounds of acid phosphate, and eight pounds of kainit would carry about 1.25 per cent. nitrogen, 4.5 per cent. phosphoric acid, and 2 per cent. potash, which, used at the rate of 2 tons per acre, would furnish 50 pounds nitrogen, 185 phosphoric acid and 80 pounds potash.

In compounding a mash make the bulk of it ground oats, middlings and bran, and balance it with the other feeds of higher protein content. Corn can be fed to a limited extent during the moult, but its value is questionable after the feathers are loosened, although it con-

tains more fat than either wheat or oats, but considerably less of protein. I like corn in the ration for laying hens, because it makes a heavy, rich yolk, and eggs from fowls fed partially on corn are more dense, stand up better when broken, and I believe hatch better than when no corn is fed. Another advantage of corn is its cheapness. There is no other grain that we can buy at the same price that will go as far. The only trouble with corn is, when it is abused. It will not form a complete ration, neither will any other grain.

If you have not done so before this time, do not neglect longer the storing of the incubators and brooders. It is not the use but the abuse of these machines that wears them out. If they are hot water machines, the tanks should be emptied and dried with a gentle heat not sufficient to melt the solder. One is always tempted to leave the incubator in the cellar from the end of one hatching season to the beginning of the next.

Few people realize how much the shape of a bird depends on its feathers. In culling out our flocks we have killed two fowls, one of which would be selected on account of its very poor shape and the other because of off color of plumage, but which would be fine in shape. When these two fowls were dressed and laid on the table side by side you could hardly tell one from the other. Again, a bird will appear off in shape probably from being cowed by other birds in the same pen; put it in a pen by itself, or if a male bird, put him in with a few females, and a day will change his shape to the extent of a disguise; this is just a change in his carriage. For this same reason a wild bird should never go in a show room; cowed or scared, its correct shape will not be found out and it will never get its dues.—"Pacific Poultryman."

**Late Chicks and Cold Storage.**—Late chicks are bought and put into cold storage in the fall, being kept in a frozen condition during the winter, and sold in the spring as early broilers, the supply of this kind of poultry being very large. There is one advantage in it, however, which is that it creates a demand for chicks late in the season. There are so many improved modes of keeping dressed poultry that the supply is more evenly made to meet the demand, the surplus being stored for use as required. So far, however, the annual demand for early broilers in April and May has not been affected, while it must be admitted that the prices for large chicks, hatched later than May and sold about October or later, are better than before cold storage increased the demand.—"Farm and Fireside."

Clean out all old nests, nesting material and loose matter in the poultry house and burn after soaking well with kerosene oil. Clean the poultry house and whitewash thoroughly with a lime whitewash to which is added one-half pint crude carbolic acid to every two or three gallons of whitewash. Use tobacco stems in the nests and dust the fowls thoroughly with insect powder. If possible, burn sulphur in the house, after making it air-tight.

On the farm poultry is often neglected. The farmer will keep good horses, fine hogs and sheep, and scrub chickens. There is no place where poultry can be raised to a better advantage than on the farm. There they have a wide range and can get a variety of food from nature. The chickens can roam over the wheat fields after harvest and wade up to their shanks in clover. Farmers should wake up and realize the profit there is in keeping pure-bred poultry. There were more eggs sent out this spring than ever before. The poultry industry of the United States has already reached vast proportions, but it does not supply the demand.

The observing poultryman will back us up when we say that the active, busy hen is the profitable hen. She keeps herself in good condition and has no need whatever for nostrums, condiments pellets or pills. She rarely gets over-fat and produces eggs with pleasing regularity, while her lazy, indolent sisters are sitting around in the shade and eating food paid for with the profits she makes her owner. Watch your flock and weed out the drones.

If you haven't the time or the inclination, hire a couple of boys to gather road dust for you before the fall rains set in. Or you can afford to pay a man a dollar a barrel to gather a few barrels. At this price it is a good investment, although it can be secured for half the price. There is nothing better for chickens than a dust bath.

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**\$24 WEEKLY** for man with rig to introduce Royal Duck and Poultry Remedies. Year's Contract. We mean business and furnish best of references.  
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**TRIUMPH INCUBATORS** are thoroughly tested, proven the best; hatch all fertile eggs. Most durably built, copper tanks, double walls and doors, automatic regulator, etc. 30 days trial. Prices low. Large incubator catalogue free; fine 70 page Poultry catalogue 4 cents.  
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**EGGS** From 70 varieties of Thoroughbred fowls given as premiums for getting subscribers to 25 leading Poultry Journals, etc. Address:  
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OPEN HOPPER.  
**Humphrey Cutter**  
with double your egg yield and get your feed bill in half. Guaranteed to out-produce and fatter than any other. Trial offer and catalogue free.  
**Humphrey, Flag St. Factory, Joliet, Ill.**

**SIEMS' WAY** uses the hen. He sticks close to Nature. 100,000 poultry raisers are now using his **NATURAL HEN INCUBATOR**. Gets results, saves cost—nearly all the cost. 200 egg hatcher costs only \$3. Why pay more? Write for his plan. Catalog and the formula mailed free.  
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This New Incubator is better than a Hatching Hen. Always ready will hatch every fertile egg. Well built, double walls, self-regulating, easy to operate, holds 50 eggs. Costs only \$5.50. We guarantee it. We also offer hundreds of thoroughbred poultry. Catalogue free.  
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If you like it. "The Man Who Knows" knows because of a lifetime in the poultry business.

**Miller's IDEAL Incubator**  
is the result. It comes out of his experience—made to meet his wants when other machines failed. It made him America's most successful poultry raiser. **TRY 30 DAYS.** Keep it if you want it. Send for his big new book on Incubators, Brooders, Poultry and Supplies. It costs you nothing.  
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# Siems' Plan Uses The Hen.

The hen has the right instinct. Siems uses that instinct. The hen is part of his plan. Since this eminent poultry specialist perfected his plan of hatching, thousands of poultry raisers have thrown aside artificial hatcheries and are now using his

TRY HIS WAY. It Makes Poultry Pay.

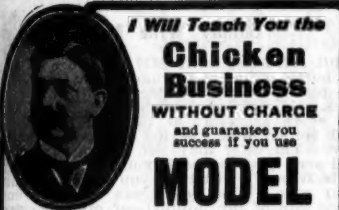
## NATURAL HEN INCUBATOR.

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The healthiest, strongest chicks you ever saw when hatched in the

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Its open self-ventilating nest appeals to the practical poultryman. Its Nature's method, investigate its growing popularity. 90 days free trial, 2c. for catalog, it will interest you. New Method Incubator Co., Box 36 Morrow, O.



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**ONE HATCH FREE. ROYAL Incubators.**  
30 Days Free. Absolutely automatic. Send it back if not perfectly satisfactory. Built to last years. Send for free trial plan. Incubator, poultry and poultry supply catalog FREE. Poultry paper 1 year free. ROYAL INCUBATOR CO., Drawer 43 Des Moines, Ia.

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Nothing equals green cut bone for hens. Any one can cut it with Mann's Model Bone Cutter. Open hopper. Automatic feed. 10 Days' Free Trial. No pay until you're satisfied. If you don't like it return at our expense. Isn't this better for you than to pay for a machine you never used? Call for free. F. W. MANN CO., Box 59, Milford, Mass.

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...that are hatched in...  
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come in big numbers and are healthy and strong. Anyone can see why if they read our catalogue. Even Heat and Exact Regulation do the work right. Catalogue is Free. Ask for it. Iowa Incubator Co. 207 Locust St. Des Moines.

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that high-grade, low priced, absolutely reliable, up-to-date hatcher. Sure profits. Begin now—get an early start. Write for free catalog today. Gem Incubator Co., Box 49, Dayton, Ohio

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Will it do it? Ask our patrons. Mrs. W. F. Graham, R. F. D. No. 1, New Hartford, Ia.; Mrs. Eric Brack, Haverhill, Kan. Send for FREE catalogue, giving those in your own state. Let us send it. 30 DAYS' TRIAL. Buckeye Incubator Co., Box 52, SPRINGFIELD, OHIO.

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Low in price. Fully guaranteed. Send for free catalogue. SANTA MFG. CO., LUDONEN, INDIANA. Free Catalog

**GLOBE INCUBATORS.**  
Hatch chickens. No experience necessary. Our large 200 page Illustrated Catalogue of Incubators and Brooders and Poultry Information mailed free. Address: G. O. SHOENAKER, Box 988, Freeport, Ills.

**DO YOU KEEP HENS?**  
If so, let us tell you about our new poultry book, **THE BUSINESS HEN.** It is just what you want. Full description and specimen pages free. Also, sample copy of THE R. N.-Y. Send your address. **THE RURAL NEW-YORKER,** 315 Pearl Street, NEW YORK. Please mention Green's Fruit Grower.

## Poultry Notes.

There is less profit in half-starved hens than in those too fat.

The crocodile, the chicken and the ostrich take pebbles with their food to aid in grinding it.

The qualifications for a successful poultryman are patience, perseverance, pluck, enterprise and capital.

If you do not love your poultry well enough to give them the proper care, you had better go out of business.

If there is any tendency to looseness of the bowels among poultry, give them coal ashes to pick over. This will correct it.

To cure feather pulling, wash the feathers of the victim birds with a mixture made by dissolving powdered aloes in alcohol.

Milk may soil the old hen's feathers, but there is nothing better for her in the way of food and drink at this season.

A good way to clean ducks, after picking, is to rub them well with a cloth that has been dampened and dipped in corn-meal.

To save the annoyance of foul-smelling chicken boxes, in which you have live-poultry, slip two or three sheets of thick paper in the bottom; when empty throw these away.

It is not too late to get in a few bushels of fine gravel for the hens to work at this winter. They will show their appreciation of your kindness by laying a good many extra eggs.

Fallen leaves or short straw will be useful in the scratching sheds for your poultry this winter. Scatter the grain among the leaves.

Nest eggs are useful to guide pullets or strange hens to locate the nest boxes, but that is about the extent of it. The old theory that the presence of nest eggs induces egg production, has long since been exploded.

Those who are tired of the old method of whitewashing the inside of the chicken coops, to exterminate vermin, can find a cheap paint and insecticide in crude petroleum, colored with Venetian red. It also has a preservative value for the wood.

The lice are still about; get rid of them. If you have an old iron pot handy try burning a lot of cedar shavings in the hen house. After having chased out the chickens, close up the building tightly and fill it with smoke. Those who have tried it say it beats any other method known.—Farm Journal.

One of the worst things the neat poultry keeper can do with the eggs, is to wash them, says "Farm Journal." The warm water opens the pores of the protecting shell, and the egg decays in a very short time. Better dirty eggs than spoiled ones.

But best of all, have a nest well-filled with clean, cut hay or straw. The ideal nest is made by turning a keg or barrel on its side, partially filling the bottom with hay, and leaving it where the biddies can discover its convenience.

A contented hen is always a good egg producer, and anything that worries or frightens the inhabitants of the poultry yard robs the egg basket. For this reason there should be shade trees in the yard where fowls are kept.

The roosts in the poultry house should be low, so that the fowls need not jump from any great height, which often causes bumblefoot—a swelling of the bottom and side of the foot.

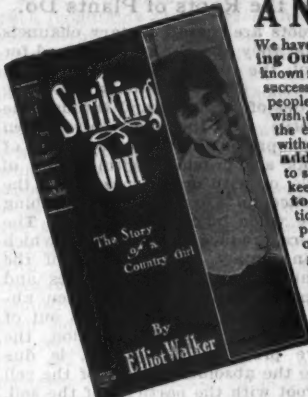
When bumblefoot appears we lance the bottom of the foot, and poultice it with bread crumbs soaked in milk, or a scraped, raw potato.

Unlike many another branch of farming, poultry is a source of revenue and pays a profit every day in the year. The man who raises hogs or cattle (aside from dairy cows) is putting money into the business every day, with no revenue in return until the animals are sent to market. And even then his profits are not sure. Not so with the man who raises poultry. He can invest in a flock of fowls to-day, and within twenty-four hours they become a source of revenue, and there is always a sure market and a good demand for the product.

Comfort and contentment in the hen-house during cold weather means a full egg basket and consequent profit to the owner. Don't fail to gather a quantity of road dust before the fall rains set in, and as soon as the leaves begin to fall rake them up and store for litter this winter.

There is no economy in buying poor or musty grain. Aside from the fact that it lacks nutriment, it is often the cause of sickness, especially among the young stock. Better pay a good price and get good, sound grain. It is cheaper in the end.

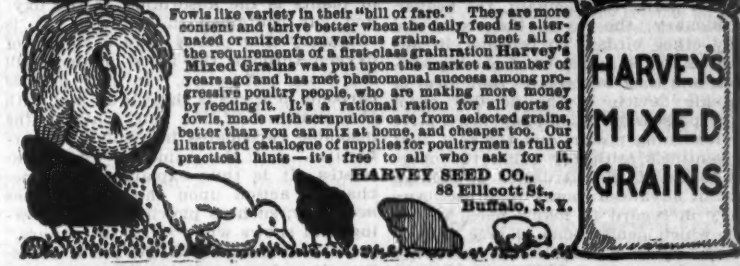
Poultry continued on page 8.



## A Novelette Absolutely FREE

We have just published a most interesting little novel entitled "Striking Out. The Story of a Country Girl." The author is a well-known magazine contributor. It is a story of how a country girl achieved success in the business world, and will be read with interest by all young people who have the least spark of ambition. If you are ambitious and wish to succeed in life, this book will inspire and help you. So long as the edition lasts we will mail a copy of the novelette absolutely free without any condition whatever. Simply send your name and address and receive this book without cost. We are frank to say we are giving this book away to advertise our course in book-keeping. With the novel we will send a copy of our book "How to Become an Expert Bookkeeper," together with all particulars of how we will teach you bookkeeping free, and how we get positions for our graduates, together with the testimonials of a few of our graduates for whom we obtained positions. If you are engaged in un congenial employment; if you are living in the country and want to get to the city; if you are standing behind a counter or working in a factory; if you are in an office and desire promotion, send us your name and address, and we will mail these two books free. This action on your part may mean a better position and a larger salary. It has meant that to others. Why not to you? Write NOW. A postal card will bring it. Address **COMMERCIAL CORRESPONDENCE SCHOOLS** 118 S. Commercial Bldg. Rochester, N. Y.

## A FOOD FOR ALL FOWLS



Fowls like variety in their "bill of fare." They are more content and thrive better when the daily feed is alternated or mixed from various grains. To meet all of the requirements of a first-class grain ration Harvey's Mixed Grains was put upon the market a number of years ago and has met phenomenal success among progressive poultry people, who are making more money by feeding it. It's a rational ration for all sorts of fowls, made with scrupulous care from selected grains, better than you can mix at home, and cheaper too. Our illustrated catalogue of supplies for poultrymen is full of practical hints—it's free to all who ask for it.

**HARVEY SEED CO.,** 88 Ellicott St., Buffalo, N. Y.

**HARVEY'S MIXED GRAINS**

**Absolute Satisfaction or Your Money Back.**  
That's the way we sell the Reliable Incubator—the one great non-moisture hatcher, with the perfect heating and regulating device. You try it at your own home; you judge for yourself. The Reliable Brooders are not equaled by any other. Send license postage for 1915 edition Catalog and Poultry Book combined, just out. It shows how our guarantee is made good. **RELIABLE INC. AND BROODER CO., Box B-46 Quincy, Ill.**

## A POPULAR COURSE

### At a Popular Price

Beginning January 1, 1905, there will be published in FARM-POULTRY a series of lessons in poultry culture, designed for beginners in poultry keeping. Each lesson will be prepared as nearly as possible with reference to the work in the poultry yard at the time it appears. The first set of 22 lessons given during the year of 1905, will constitute a complete and systematic elementary course of instruction in poultry culture, especially designed to be used in connection with practical work. These lessons will be prepared by the editor of

### FARM-POULTRY

and in nearly every number throughout the year will be one or more especially contributed articles on leading topics of lessons presented or discussed in that issue. These articles will be from leading authorities on the subjects treated. In the text of the lessons, the discussions of topics, and these special articles, readers of FARM-POULTRY will get a correspondence course, with class advantages added, which we do not think can be duplicated anywhere at any price.

### WILL YOU JOIN IT?

Every reader of FARM-POULTRY is a member of this class if he desires to be, free to study its lessons and ask questions, according to his interest in the topics presented, but beginners will find it to their advantage to follow the course closely. Those who do so will get most out of it.

**Special Offer**  
FARM-POULTRY, Semi-Monthly (24 numbers), regular price 50c. and GREEN'S FRUIT GROWER both one full year for only **50c**

Sample Free. Liberal Terms to Agents. Send All Orders to

**FARM-POULTRY PUB. CO., BOSTON, MASS.**

### BARRED PLYMOUTH ROCKS.

This breed is as solid as its name and is often called the "Farmer's Friend," the "All 'Round Fowl," the "Old Reliable." It is the bird for business, and deemed by many the best fowl for farm and home raising. It is not only a good layer, but is quick to develop for the early market. As a far-sighted farmer once said to us, "When you kill one you've got something."

### WHITE WYANDOTTE

Is one of the handsomest fowls known; large size, good layers, and highly prized for its meat. The New York markets will, in time, more fully appreciate the value of the Wyandottes for its delicacy on the table of the epicure. It will be noticed that no breed has all the good qualities, therefore, if we want all the good qualities, we must have more than one breed, but surely no one can make a mistake in breeding the White Wyandottes, considering their beauty, egg laying propensities, and desirability in markets of the world.

### SINGLE COMB BROWN LEGHORNS.

The Popular Leghorn.—The acknowledged queen of the practical egg laying breeds is the Leghorn, when judged by the standard of the greatest number of marketable eggs produced at least cost. Not only are the hens persistent layers, but they are extremely active foragers and waste no time in setting. Like a good milch cow they put little fat upon their bones, but devote all surplus nourishment to steady production. They eat less than the heavy breeds, but whatever they consume is put to good purpose. Price of B. P. Rocks, White Wyandottes, and S. C. Brown Leghorns, all one price as follows:

Cockerels, \$3.00 each; Pullets, \$3.00 each; Trios, \$7.50. Eggs in season, \$2.00 for 12.

**GREEN'S NURSERY COMPANY,** Poultry Department. ROCHESTER, N. Y.

## White Plymouth Rock Cockerels and Pullets FOR SALE.

We have 10 cockerels and 12 pullets of the White Plymouth Rocks for sale at \$3.00 each. These are pure blooded birds, carefully bred, that will do you good service. Eggs of White Plymouth Rocks, \$2.00 per 13, carefully packed.—Green's Nursery Co., Rochester, N. Y.



## Burbank's Plumcot.

Written for Green's Fruit Grower by  
M. E. M.

He used no mystery and no incantation,  
No magic from the stars,  
Yet this new fruit of his creation  
Might almost come from Mars.

So different is it from all fruit creations  
Found on this dreary earth  
That we might believe the great magician  
Used magic at its birth.

The fragrance of the sweetest flowers  
Hovers,  
Within this Plumcot gold,  
The sun's rays, like the kiss of lovers,  
In one rich globule rolled.

O Master, if some power untold  
Your vast creations from our world could  
blot  
And leave us only this one fruit of gold,  
Your name and fame would live in the  
plumcot.

## Man and Beast.

Many tribes of animals have the habit, when necessity seems to require, of posting sentinels to guard from surprise. This practice is in use by the chamola, the deer, the wolf, the goat, the wild horse, the elephant, the beaver, the monkey, the raven, the crow, and many other birds. To consider in advance as to the necessity of placing sentinels, and then to resort to that form of strategic device, is the decided proof of the possession of no small perceptive and reasoning power, and the fact that the sentinels faithfully fulfill the onerous duties of their trust is a striking proof of advanced moral qualities. Any theory in regard to man's place in nature, which denies some degree of reason and moral perception to the lower animals is so wide of the facts that it must be a mistaken theory. It places man too high, and assigns to the various tribes of lower animals too low a position in the moral and intellectual scale to agree with observation. A wide and unnecessary chasm is thus placed between man and the inferior animals, when, in fact, the lower tribes of men and the higher tribes of animals, such as elephants, foxes, dogs, and monkeys, are not so greatly apart in the line of intelligence and moral perception. Savages recognize this affinity. Thus we are assured that certain tribes of negroes regard monkeys as their relatives, who have been deprived of the power of speech on account of their mischievousness and badness. The wonderful manifestations of instinct are so remarkable that the old theory ascribed it to God himself having directly implanted it "from without and from above," but that theory has been set aside by modern investigation, and it is now very generally recognized that instinct is the hereditary result of long experience. This being the case, all the manifold exhibitions of reflection and reason and careful, self-denying affection shown by the various tribes of animals must be ascribed to the workings of their intellectual and moral faculties through long periods of time.—"The Century."

Lots of men who rob Peter to pay Paul manage to stand Paul off.

Many a man salts away money in the brine of other people's tears.

She may be a thing of beauty until you see her emerging from the surf.

A warship goes on a whaling voyage when it starts out to whip somebody. Occasionally a man on the downward path is traveling in the opposite direction.

It takes little grains of sand to enable some men to imbibe little drops of water.

Let the man who would reform the world begin on his neighbors and he will soon see his finish.

Cynics are men who find fault with the world because they were not consulted when it was designed.

Civilization has done a great deal for man, but it hasn't been able to prevent him stopping to look at a dog fight.

T-floors and dressmakers should have a kindly feeling toward the serpent which induced Eve to engage in the manufacture of fig-leaf garments.

## Five Dollars for a Life.

We will accept \$5.00 for a life subscription to Green's Fruit Grower. Why not accept this \$5.00 for life offer? It will save you the trouble of renewing your subscription each year, which comes around so often.

You may select anyone of Green's books on Fruit Culture, Green's Poultry Keeping Book, or one of the premiums offered for one year subscriptions in this issue, naming it. When you send your \$5.00, we will send it to you.

Henry Ward Beecher says: "There are multitudes of men like dandelions—at first they look like disks of gold, and after a few days a puff will destroy them and no one knows where they were."

The brave man carves out his fortune and every man is the son of his own works.—Miguel Cervantes.

## What the Roots of Plants Do.

The roots are the alimentary channels of plants; they absorb the liquid food for the plant, the only form in which it can be taken up. The operation goes on the extremities of the roots and through the root fibrils and the root hairs when they are present. The extremities of the roots are provided with a sort of spongiolate, or with organs possessing the same office as a sponge, in absorbing moisture when in contact with it. The root hairs produce a liquid acid which comes in contact with particles of the soil, which by its action corrodes and produces a solution which is then absorbed. This acid does not pass out of the cell, but the corrosive action, the digestive process so to speak, is due solely to the absolute contact of the cell of the root with the particles of the soil. Thus it will be seen that besides the liquid food that may be contained in the water or moisture in the soil, the digestive action of the roots is also necessary.

Another important office of the roots of plants is the absorption of the oxygen gas contained in the soil. It is necessary that plants have a supply of oxygen through the roots or they will die from suffocation. In this process carbonic acid gas is thrown off and with the moisture of the soil converts the insoluble carbonates into soluble bicarbonates, and the same of the phosphates. It is thus explained why mechanical action upon the soil becomes necessary, such as plowing and harrowing, and shows why "tillage is manure." As stated, loosening of the soil is necessary in order to admit of the free passage of oxygen to the roots for absorption and throwing off the carbonic acid gas. All the processes of nature work for a specific purpose and it is only left for the farmer, if he would derive the best results from his operations, to work in entire harmony with the processes of nature. It becomes a great study to learn regarding plant life, which is of the greatest importance to every farmer.

## The Art of Letter Writing.

When we come to personal letters, the most intimate and important of all, it may frankly be acknowledged that the "Complete Letterwriter" stops at the threshold, says Harper's "Bazaar." To put ourselves—our best selves—on paper is the problem, and there is no greater one in the whole range of human intercourse. Yet, if we fail, if we put a foolish or mistaken self on the page, the letter had better never leave the desk. Hence comes the first law of personal letter writing—do not try too much. Do not try to be as spontaneous as in conversation. Do not try to be as frank as when face to face with one another. Consider the limits of paper and ink. Suggest, rather than explain, your feelings and ideas. Make the letter short rather than long. It is really hard to fall on a four-page letter; but if one does, a two-page letter is the next resource. If these two pages can be carefully written, in good English; if they convey a sincere and pleasant message, if they contain nothing that offends—then that letter is not a failure, though it may not be a brilliant success. The thing to be avoided is the rambling letter, the indiscreet letter, the gushing letter, the insipid letter.

"I verily believe," said Brother Gardner, "dat the foolishness of surtin parents in tyin' names to der offsprings has clouded an' wrecked many lives. Some y'ars ago a naybur o' mine named his baby Washington Lincoln Grant Smith. He was bound to fill dat boy chock full of military genius and statesmanship, but de chile wasn't four y'ars old befo' he realized dat it was too steep. He hadn't reached ten befo' he was a thief an' a liar, and de oder day he went to prison for burglary. De name was too long for the public to grapple wid an' so he was called 'Wash Grant.' Latter on it got to be 'Washboard,' an by de name of Washboard Smith he am registered on de prison books."

The Yellow Transparent Apple were fine specimens, in good order and of good quality and great beauty. They were grown on trees only two years old, which shows they are remarkably productive. From the fact that the tree is so hardy and productive and the fruit so good and handsome, it must become very popular in the colder regions of our country.

She—They married for love, didn't they?

He—Yes.

She—Are they happy?

He—Yes, the judge granted them a divorce yesterday.

Sometimes a man's warm love melts a girl's heart, and sometimes it is his cold cash.

## One \$ Free—Just to Prove

I will pay for your first bottle of Dr. Shoop's Restorative.

There are no conditions. Nothing to deposit.

Nothing to promise. The dollar bottle is free.

Your druggist, on my order, will hand you a full dollar's worth and send me the bill.

I shall spend \$100,000—half a million, perhaps—this season that you may learn how Dr. Shoop's Restorative strengthens the INSIDE nerves—the nerves that control the vital organs. That you may know for yourself, after a fair, free test in your home, that this is something uncommon—something UNUSUAL in medicine. Not a narcotic or a deadening drug, but a strength-building, life-inspiring, tonic that gives lasting power to the very nerves that control the vital processes of life.

## Dr. Shoop's Restorative

If the worries of business have left their scars on your good health; if careless habits have made you a wreck; if your nerve, your courage is waning; if you lack vim, vigor, vitality; if you are beginning to wear out; if your heart, your liver, your stomach, your kidneys, misbehave—this private prescription of a physician of thirty years' standing will strengthen the ailing nerves—strengthen them harmlessly, safely, surely, till your trouble disappears.

## Inside Nerves.

Only one out of every 98 has perfect health. Of the 97 sick ones, some are bed-ridden, some are half sick, and some are only dull and listless. But most of the sickness comes from a common cause. The nerves are weak. Not the nerves you ordinarily think about—not the nerves that govern your movements and your thoughts. But the nerves that unguided and unknown, night and day, keep your heart in motion—control your digestive apparatus—regulate your liver—operate your kidneys. These are the nerves that wear out and break down.

It does no good to treat the ailing organ—the irregular heart—the disordered liver—the rebellious stomach—the deranged kidneys. They are not to blame. But go back to the nerves that control them. There you will find the seat of the trouble.

There is nothing new about this—nothing any physician would dispute. But it remained for Dr. Shoop to apply this knowledge—to put it to practical use. Dr. Shoop's Restorative is the result of a quarter century of endeavor along this very line. It does not dose the organ or deaden the pain—but it does go at once to the nerve—the inside nerve—the power nerve—and builds it up, and strengthens it and makes it well.

Don't you see that THIS is NEW in medicine? That this is NOT the mere patch-work of a stimulant—the mere soothing of a narcotic? Don't you see that it goes right to the root of the trouble and eradicates the cause?

But I do not ask you to take a single statement of mine—I do not ask you to believe a word I say until you have tried my medicine in your own home at my expense absolutely. Could I offer you a full dollar's worth free if there were any misrepresentation? Could I let you go to your druggist—whom you know—and pick out any bottle he has on his shelves of my medicine were it not UNIFORMLY helpful? Would I do this if I were not straightforward in my every claim? Could I AFFORD to do it if I were not reasonably SURE that my medicine will help you?

## Simply Write Me.

But you must write ME for the free dollar bottle order. All druggists do not grant the test. I will then direct you to one that does. He will pass it down to you from his stock as freely as though your dollar laid before him. Write for the order today. The offer may not remain open. I will send you the book you ask for beside. It is free. It will help you to understand your case. What more can I do to convince you of my interest—of my sincerity?

Simply state which book you want and address, Dr. Shoop, Box 5416, Racine, Wis.

Book 1 on Dyspepsia.  
Book 2 on the Heart.  
Book 3 on the Kidneys.  
Book 4 for Women.  
Book 5 for Men.  
Book 6 on Rheumatism.

Mild cases, not chronic, are often cured with one or two bottles. For sale at forty thousand drug stores.

## Best Offer and Best Fence

We are making to farmers the best and most liberal offer ever made on high grade fence. We will state our offer here in plain words and leave you to be the judge.

**First—The Price** we make the farmer on **Advance Fence** is the lowest and most satisfactory, because it includes freight to your station. There is no guess work or disappointment about the price, no large freight bill to pay, no extras. We quote you a **laid down price** at your station—and that's the price. We have saved others as much as 15 cents a rod. Get our price and figure out how much we can save you.

**Second—We allow 30 Days' FREE TRIAL** on **Advance Fence**. Put the fence up when it arrives, and give it any test you wish. Climb over it. Let the stock run against it. Do this thirty days. Then if it disappoints you in any way, return it, and we will refund your money and pay freight back.

**Third—We Ship Direct from Factory to You.** No jobber or dealer to make a profit out of you. We were the very first fence makers to sell direct to the user. This economical method of marketing enables us to save our customers thousands of dollars.

**Fourth—We Offer You 26 Styles of Fence** to choose from. This enables you to make a wise selection. The largest dealer carries no such line of sizes and styles. Don't buy what you don't want just because a dealer wants to sell it to you. We fit you out perfectly, for hogs, poultry, stock, garden or field.



## Advance Fence

is scientifically constructed of best galvanized steel wire. The top and bottom selvage are double strength. The stay wire is continuous, being twisted with the selvage from one stay to the next and wrapped twice around each line wire as it passes across the fence. The slight crimp at the intersection of the stay with the strand wire prevents the stay from slipping, and also provides for expansion and contraction. There are no loose ends, as in fences with cut stay wires. **Advance Fence** is the superior fence, without regard to price. You couldn't buy a better made fence though you paid more money.

Get our free Fence Book and study fence construction. You will be a better judge of fence after reading it.

Advance Fence Co., 6846 Old St., Peoria, Ill.

## Green's Gift.

It is the best thing in the world for the baby to feed itself with. Our grandchild has one. No baby can get on well without it. What more attractive gift can you make your own baby or your grandchild? We will mail, prepaid, this heavily silver-plated spoon with gift bowl as a premium to all who send us 60 cents for one year's subscription to

Green's Fruit Grower.





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Warranted to Give Satisfaction.

Gombault's  
Caustic Balsam

Has Imitators But No Competitors.

A Safe, Speedy and Positive Cure for  
Curb, Splint, Sweeney, Capped Hock,  
Strained Tendons, Founder, Wind  
Puffs, and all lameness from Spavin,  
Ringbone and other bony tumors.  
Cures all skin diseases or Parasites,  
Thrush, Diphtheria. Removes all  
Bunches from Horses or Cattle.As a Human Remedy for Rheumatism,  
Sprains, Sore Throat, etc., it is invaluable.  
Every bottle of Caustic Balsam sold is  
Warranted to give satisfaction. Price \$1.50  
per bottle. Sold by druggists, or sent by ex-  
press, charges paid, with full directions for  
its use. If you send for descriptive circulars,  
testimonials, etc., Address  
The Lawrence-Williams Co., Cleveland, O.

Please mention Green's Fruit Grower.

Josiah Reed's  
Experience with  
CANCERCLAYPOOL, IND., June 30, 1904.  
Dr. D. M. BYE Co.,  
Indianapolis, Ind.GENTLEMEN—I will write what the Combination  
Oil Cure has done for my cancer. It was December  
when I first corresponded with you, and how hard it  
was to convince me, even after the literature had been  
sent, that cancer could be cured. I had been taught  
from my youth up that cancers could not be cured by  
man. At the time I began treatment, the cancer, which  
was located beneath my left eye, protruded in such  
an extent that I could not wear my glasses, and the  
sight of my left eye was impaired. It had been grow-  
ing for about six years, beginning when I was 72 years  
old; am now 78. My father before me had a cancer  
that caused his death. After using your treatment as  
you instructed, my cancer was entirely eradicated, and  
to-day there is hardly a scar left and the sight of the  
eye is nearly as strong as the other one, praise the  
Lord. I hope that your name will never die, and that  
your soul will forever find rest in Him. Your un-  
worthy servant, healed and saved to the uttermost.  
JOSIAH REED.All forms of cancer and tumor cured by soothing,  
balmy oils. Doctors, lawyers and ministers endorse  
it. Write for free book to the Home Office of the  
Originator, Dr. D. M. Bye Co., Drawer 505, Dept. 91,  
Indianapolis, Indiana.

[Cut this out and send to some afflicted one.]

## FENCE YOUR ORCHARDS

and Farms with the Superior Fence Machine.

With it you can fence your own  
wire fence to conform to the land  
for ONE-HALF THE COST of  
ready-made fencing. It is also in-  
valuable to repair wire fences  
with cross stays. The price is so  
low you can't afford not to buy it.Write us for circulars showing different styles of fencing, and  
ask us for our special introductory offer.SUPERIOR FENCE MACHINE CO.,  
187 Grand River Ave., DETROIT, MICH.

WE'LL PAY THE FREIGHT

and send 4 Huggy Wheels, Steel Tire on, \$7.95  
With Rubber Tire, \$15.00. 1 mfg. wheels \$4.00  
tread, Top Bagging, \$25.00; Hoses, \$2.50. Write for  
catalogue. Learn how to buy vehicles and parts direct.  
Wagon Umbrella FREE. W. M. BOOR, Cincinnati, O.

## TREES AND PLANTS BOXED FREE

With the coming spring of 1905 Green's  
Nursery Co., will make a radical change  
in its business which, in effect, will  
amount to a present to our patrons of  
from \$5,000 to \$10,000. This change may  
not seem a radical one to our patrons  
since it does not amount to a large sum  
to any one of them. With the opening  
of spring we shall make no charge for  
boxing or packing plants, trees and  
vines. When you receive a box of trees  
it may not occur to you that the box,  
nails, the hoop iron, the moss and even  
the straw or paper used in packing, costs  
in the aggregate a large sum of money.  
The lumber costs several thousand dol-  
lars. We may use perhaps thirty to fifty  
kegs of nails, possibly a ton of hoop  
iron, twenty-five tons of straw, ten tons  
of moss, five car loads of excelsior, dur-  
ing the packing and boxing of one spring  
season. But these items are the smaller  
expenses connected with the packing  
season. The great expense is in the la-  
bor of digging the trees, caring for them  
and packing them. The above is all in  
addition to the cost of growing the trees,  
which is great since it is often four to six  
years after planting a seedling before  
the budded or grafted trees are large  
enough to be sold to planters. One ob-  
ject in making no charge for boxing is  
that our patrons are troubled to know  
how much to send us for boxing, never  
knowing exactly the amount although  
we try to make it plain. Remember then  
that you have to pay no boxing for trees  
ordered of Green's Nursery Co. this  
spring.Lime or Sulphur Wash not Improved  
by Salt or Soda.—The Geneva, N. Y. sta-  
tion reports follows: As a whole the  
work shows that sulphur washes applied  
in the fall for San Jose scale may under  
certain conditions cause injuries such as  
sometimes attend the excessive use of  
these sprays in the spring. But it is be-  
lieved to be advisable, when experience  
has shown that it is impossible to spray  
all of the trees in the spring, to employ  
fall spraying for treatment for the har-  
dier varieties of fruits;—as the increased  
vigor and usefulness of the trees aris-  
ing from the control of the scale will  
more than compensate for probable  
losses in fruit yields.All of the washes tested proved equal-  
ly effective in the destruction of the  
scale. The addition of caustic soda or  
salt to a lime-sulphur wash cooked by  
fire or steam did not add to its effect-  
iveness. While satisfactory in the pre-  
sent experiment later tests with the lime-  
sulphur-salt wash prepared without ex-  
ternal heat showed that there may be  
considerable variation in the different  
preparations which may be largely  
avoided by using high grade lime and  
knack in the cooking operations. The  
washes that are well suited to the needs  
of average orchardists are the lime-  
sulphur wash boiled by fire or steam  
and the lime-sulphur-caustic soda wash,  
prepared without external heat. In con-  
ducting the experiments this spring the  
following method was adopted for the  
preparation of the lime-sulphur-causticNew York Mountains.—The Adiron-  
dack mountains are the great health re-  
sort of the eastern states. There are  
many sanitariums located in these moun-  
tains filled with consumptives, and in ad-  
dition to these there are thousands of  
smaller hotels, or cottages where sick  
people are boarded. Consumptives are  
urged to live out doors both summer and  
winter. If they resort to the  
mountains early enough, before the dis-  
ease has crippled them too seriously,  
and stay there long enough, and do as  
they are told about living out doors,  
with proper exercise and diet, there is  
great hope of their recovery. But a large  
number are so impatient to get back to  
their homes and friends that they are  
induced to leave the mountains before  
they are fully cured. This is a fatal  
mistake. The mountain air is dry, pure  
and fragrant. You can taste the flavor  
of the balsam and spruce in the air you  
breathe. The altitude varies from 1,500  
to a little over 2,000 feet. Whether sick or  
well you will be influenced by the eleva-  
tion, and by the bracing qualities of the  
mountain air, so that when you return  
to your home on the lower levels you will  
feel depressed for a few days. Those  
who visit these mountains are advised to  
walk or row as much as possible in order  
to induce deep breathing. But this deep  
breathing would be beneficial anywhere,  
this season of the year than at any other"There should be less drunkenness at  
time," said a specialist in nervous dis-CULTIVATING ASPARAGUS ROOTS.—The above is from a photograph of a scene at Green's  
fruit farm where asparagus roots are being grown. These roots of asparagus came from seed of a choice var-  
iety sown early in the spring in narrow drills or rows which admit horse cultivator between them. During  
the first few months these rows of asparagus look like rows of small pine trees. The growth is gradual but  
persistent, and by the end of the season the rows may look usually as thrifty as those shown in the illustration.  
When the plants have grown two years in these rows they are dug up and sold or transplanted into  
similar rows, each plant set 12 to 18 inches apart in the row. I can think of no plant more healthful or  
tasteful than asparagus. A bed once established will continue producing for a lifetime. A dish of well-  
cooked asparagus is more delicious than a dish of green peas.soda wash as it is an easier way of  
making the mixture. First the sulphur  
was made into a thin paste with hot  
water and was then poured over and  
well distributed throughout the lime.  
Additional water was used as needed  
to keep the lime-sulphur material in a  
rather stiff paste. As soon as the lime  
was slaked the full amount of caustic  
soda was added and stirred until the  
boiling action had ceased. Enough water  
was then poured in to make the re-  
quired amount of wash. By using boil-  
ing water in making a paste of the sul-  
phur and slaking the lime much less  
time is needed to prepare the wash.  
Lime-sulphur-wash formula: Lime, 15  
pounds; sulphur, 15 pounds; water 50  
gallons.The Bird's Superior Eye.—The sight of  
birds is extraordinary and the simple  
fact that the eye of a hawk or a pigeon  
is larger than their whole brain gives  
some idea of what their powers of sight  
must be, and of how easily they can fly  
hundreds of miles if they have marks  
to guide them. Very little attention has  
yet been given by eye surgeons to the  
eye of the bird and other animals, from  
which so much is to be learned."You don't care much for display?"  
"Not much," replied the very wealthy  
man."Yet there is some satisfaction in not  
being wholly out of style.""That is the point, precisely. The  
things that money buys go out of fash-  
ion in a few months, but the money  
itself becomes more stylish every cen-  
tury."It is good to live the unknown.—Charles  
Lamb.There are some defeats more triumphant  
than victories.—Michael De Montaigne.orders who has a private sanatorium  
for the treatment of wealthy dipso-  
maniacs. "It is not generally known—  
in fact, I claim the honor of the discov-  
ery that roasted chestnuts are a good  
antidote for liquor. The average man  
who drinks under high nervous pressure,  
not for the sake of sociability, but be-  
cause the alcohol stimulates him to a  
greater effort, is the one whose nervous  
system is most quickly undermined. He  
may never get drunk, but there is the  
constant demand for overstimulation  
that works damage in the end. No  
sooner does the effect of one drink wear  
off than there is the craving for another.  
Now, if that man would eat a few  
roasted chestnuts instead of taking an-  
other drink when the feeling comes on  
him, he would find that the substance  
of the nuts, having quickly absorbed the  
liquor already in his system, had appre-  
ciably decreased his longing for more  
alcoholic stimulant. It isn't a thought.  
I know it to be true."

## Puzzles.

Written for Green's Fruit Grower.

First.—There are two ducks in front  
of a duck, two ducks behind a duck and  
one duck in the middle. How many  
ducks in the row?Second.—Another: A beggar had a  
brother and the brother died. The man  
who died had no brother. Who was the  
beggar?Third.—Here is one for the boys and  
girls: Which is the most, 6 dozen do-  
zen, or 1-2 dozen dozen.Fourth.—We are two brothers born.  
We are two sister's sons. Our father  
is our grandfather; how strange our  
kindred runs.Every dog has his day, likewise every  
Thomas cat has his night.A BOTTLE OF SWANSON'S  
"5-DROPS"Will be Sent Postpaid, Absolutely Free to Any  
Reader of This Paper. Write Today.A POSITIVE CURE FOR  
RHEUMATISM, NEURALGIA,  
KIDNEY TROUBLE AND KINDRED  
DISEASES.Those who are suffering the horrible tortures  
and agony caused by Rheumatism, Lumbago,  
Sciatica Neuralgia or Kidney Trouble will find  
quick relief by the use of "5-DROPS." It is the  
only remedy which will almost instantly relieve  
those excruciating pains and effect a permanent  
cure of these terrible diseases. Apply "5-DROPS"  
externally, rub thoroughly on the afflicted aching  
parts and it will stop the pain in a very short  
time. It is the greatest pain killer in the world.  
Take "5-DROPS" internally. This will cleanse  
the blood of uric acid and all other poisonous  
matter and put the system in a perfectly healthy  
condition. When this has been done, you will  
be free from all aches and pains. Rheumatism  
is a blood disease and this treatment is the only  
rational one for such an ailment. "5-DROPS"  
will cure rheumatism in any of its forms or  
stages of development.

## A PERFECT BLOOD PURIFIER

No other medicine will cleanse the blood of  
impurities so quickly as Swanson's "5-DROPS."  
It leaves no bad after-effects, but builds up your  
health, restoring strength and vitality to the  
entire system.

**FREE**

COUPON No. 60000

Cut out this coupon and send  
it with your name and ad-  
dress to Swanson's Rheu-  
matic Cure Co., Chicago,  
and you will be sent a trial  
bottle of "5-DROPS" free,  
postpaid.

NOTE—Large Size Bottle "5-DROPS" (300  
Doses) \$1.00. If "5-DROPS" is not obtainable  
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Our New Plain Plaid  
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prices, wonderful values  
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and ingrain papers, at 6  
cents to 30 cents per  
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everywhere ask 15 cents  
to 60 cents per roll. THE  
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expedited to you, and  
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Paper Samples and the  
complete book will be sent  
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Send me 6 and names of two flower-loving friends and receive 4 packets of pure, fresh seeds—Nasturtiums—20 kinds; Royal Show Panais—100 colors; Sweet Peas—40 varieties; Aster—all kinds.

**FREE!** "Floral Culture" and my 13th Annual Catalogue filled with rare flower seed bargains.

**MISS C. H. LIPPINCOTT**  
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Sells how to make money—How to raise young chickens for early spring markets when prices are high. How to make a profit on ducks. How to feed for heavy fowls. How to make home lay. Why not get an adequate return from poultry? Why not try modern methods this year? Why not learn about incubators and brooders from a firm who have been in business since 1887 and who know how to make satisfactory machines? Write us for the book today. It is free.

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### OUR NEW BOOK

ON POULTRY for 1905 is the most practical book ever published on the care of poultry in health or disease. Gives best plans for houses how to feed for more eggs and how to **MAKE BIG MONEY**. Send 1c for mailing. Fowls and eggs for sale cheap.

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We tell you how to do it, show views of machines built at home and many letters from satisfied customers in our new book "How to Make and Save Money with Incubators and Brooders." Full of good things. Invaluable to the beginner. You save half the cost of your incubator. Never hatch better. Get the book and know for yourself. It's free.

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#### FOR HATCHING

\$2.00 for 15

From prize-winning breeds: B. C. Brown Leghorns, White Wyandottes, Barred and White Rocks. Price of Cockerels and Pullets \$5.00 each. Trios \$7.50. Green's Poultry Book for 15 cents.

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### Millions of Bushels

of apples, pears, peaches and plums in 1904 rendered unsalable by scale, fungi and worms, could have been marketed **EXCELSIOR SPRAYERS**. Write for money saving details.

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To gain new customers will send 10 Pkts. Vegetable Seeds 25c  
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WE PAY FREIGHT East of COLORADO  
Except Oklahoma, Indian Territory and Texas. Strictly new, perfect steel sheets, 6 and 8 feet long. The best roofing, sliding or ceiling you can use; painted two sides. Flat, 1/2; corrugated or crimped, 2/3 per square. Write for free catalogue No. D-65 on material from Shortell and Reckert's Sales.

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### WONDERFUL STOVE—BIG MONEY

BURNS 90% AIR—ONLY 10% OIL—\$4.95  
1900 sold one month. Customers delighted with Harrison Valveless Oil-burner Stove. Splendid for cooking also heating rooms, stores, offices, etc., with Radiator Attachment. No wick, dirt, or ashes—no coal bills or dragging—cheap, safe fuel, like to sit a week stove furnishing food for cooking for small family. Easily operated—absolutely safe—all sizes, \$5 up. Write Catalogue FREE and Special Price \$1.00.

**Agents WANTED—\$40 Weekly.** Address World Mfg. Co., 5790 World Bldg., Cincinnati, O.

### LEARN VETERINARY DENTISTRY

in 3 years. We teach you at home in three months of your spare time by illustrated lectures and grant diplomas with degree. Particulars free. The Detroit Veterinary Dental College, Detroit, Mich.

### Easter Lily.

Written for Green's Fruit Grower by N. A. Trussell.

It feels the bright sun warming  
The sod in which it lays,  
Forgets the cold and storming  
Of tedious winter days;  
With upward push, sends shaft of green  
On which unrolling leaves are seen  
Encrowned with emerald white,  
That bursts with fragrance in the light.

Of thee I'd learn a lesson,  
O teacher, silent, mild;  
To rise o'er grief's depression,  
And sorrow's tempest wild—  
The dark, the present piercing cold  
A nucleus of life enfold,  
That time shall prove a budding-rod.  
To steady faltering steps toward God;  
Thou teachest this, O Easter-Lily.

Above the shadow and the storm  
Know, thou, the sun shines, clear and warm;  
Thus shines the Sun of Righteousness,  
Cold hearts to warm, all lives to bless.  
—N. A. T.

The hen that is housed out and fed properly and does not lay as often as every other day at least is generally either lousy and excessively fat or lacking in vigor or both.

If the poultry house has not already been thoroughly cleaned and white-washed, better get at it at once. Fowls exposed to drafts or cooped in foul, ill-ventilated shelters at this season of the year are almost sure to become victims of catarrhal colds or roup because of the lack of cleanliness and proper protection. Better no shelter at all than for fowls to be compelled to sit in drafts or perch above noisome filth.

A healthy hen (all other things being equal) is a laying hen. A laying hen is the only kind of a paying hen. Drafts of air are sure to produce colds, swelled heads, bronchitis or roup in time. Dampness results in cramps, coughs, rheumatism and canker. Too much corn leads to indigestion, ovarian difficulties and apoplexy. Lice lowers the vitality of both young and old fowls. High roosts bruise the feet of heavy birds, causing bumble foot and sometimes internal injuries. Exposure to wet brings on catarrhal troubles, while drinking from stagnant pools lessens the egg-yield and invites diarrhoea. Lack of grit predisposes to liver diseases. Frozen food lacks nutrition and impairs digestion.

If for any reason the winter poultry houses were not cleaned and made ready for use last month, no earlier time than the present can remedy this needful work. Better clean up now.

Raspberries for Evaporating. — L. Pierce of Ohio asks whether it is profitable to grow raspberries for evaporating purposes and which are the best varieties. Reply: Red raspberries cannot be profitably grown for evaporating. Where blackcap raspberries can be sold at from 25 to 30 cents per pound or higher they can profitably be grown for evaporation. About fifteen years ago Western New York was pretty well covered with black raspberry fields, some of them comprising 10 to 20 acres, grown largely for evaporating purposes. The fruits were not only used for the table thus evaporated but were used for coloring or dyeing cloths in the course of their manufacture. Recently the price of evaporated berries in the East has declined so that it is no longer profitable to evaporate them here.

Do Us a Favor.—Half the pleasure in life is doing favors for others. Do you want to do a favor for the editor and publisher? If you do and at the same time desire to benefit yourself, renew your subscription without delay to Green's Fruit Grower, or to any other publication that you desire to take during the coming year.

This is the time of year when renewals should be made with promptness. How easy it is to postpone such affairs. You do not want to postpone this, you want to attend to it in a businesslike manner, therefore you will sit down at this moment and send in your renewal.

If in addition to this you can recommend Green's Fruit Grower to some neighbor or friend you will be doing us another favor.

Prospects for Fruit Crop.—The prospects for fruit the coming year are good, but it is early yet to judge of many parts of the country. The first reports come from Missouri where 200 fruit growers have reported that the fruit prospects for Missouri are good. At Rochester, N. Y., the ground is heavily covered with snow which is favorable for fruit, particularly small fruits. We will be glad to have the readers of Green's Fruit Grower report the prospects of fruit in their locality briefly.

Be not like the stream that brawls  
Loud with shallow waterfalls,  
But in quiet self-control  
Link together soul and soul.

### Mistakes of Apple Growers.

Editor Green's Fruit Grower: I believe there are many apple trees annually destroyed because of the poor quality and perhaps small quantity of fruit produced during late years, whereas formerly neither quality nor quantity was lacking and these trees were valued as highly as any in the orchard.

Unless decayed or badly mutilated by storms it is better to look up the cause of deterioration before destroying a favorite apple tree which required many years to mature.

Among farmers it has been quite generally considered as unnecessary to fertilize the orchard under the belief that the soil naturally contains enough plant food to supply the growth of either forest or fruit tree. I believe this is a mistake; after the fruiting of an apple tree begins there is a constant drain upon the soil's fertility in order to supply the annual growth of fruit leaves and roots.

At Cornell Experiment Station interesting studies and experiments have been made regarding the relative amounts of fertilizing elements required by twenty crops of apples, with leaves and twenty years of continuous wheat growing. It is stated that in twenty crops of apples of fifteen bushels per tree with thirty-five trees per acre with their leaves there are consumed 1,337 pounds of nitrogen, 310 pounds of phosphoric acid and 1,836 of potash. Twenty continuous years of wheat growing if the average yield was 15 bushels per acre and to every 3 bushels there were 7 pounds of straw, would only remove 660 pounds of nitrogen, 211 pounds of phosphoric acid and 324 pounds of potash. Therefore, more than twice as much nitrogen, half as much again phosphoric acid and almost three times as much potash is removed by the twenty crops of apples, as by the twenty of wheat.—E. A. Season.

Salt a Remedy For Colds.—Warm water in which a little salt has been dissolved, say a teaspoonful of salt to a quart of water, snuffed up into the nose gives great relief for colds or influenza.

54% FRUIT  
46% GRAIN  
100% HEALTH

### FIGPRUNE CEREAL COFFEE

Highest award given to any Cereal Coffee at Louisiana Purchase Exposition.

#### Give a Child Coffee

and stunt its precious mind and body. Let your children drink all they want of Figprune Cereal Coffee and watch the symmetrical development of mind and body. It nourishes. There's 84 per cent fruit and 46 per cent grains—those good things of diet we enjoy every day. Prepared in California's famous fruit belt.

If your grocer cannot supply you, send to us for free sample and booklet.

**THE FIGPRUNE CEREAL CO.,**  
285 Market St.  
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### CARPETS ON TRIAL

Cut this ad. out and send to us on a postal card say, "Send me your Free Carpet Catalogue." and you will receive free by return mail, postpaid, full particulars how we furnish anyone, free, a big variety of large samples of Carpets, Brussels and Velvet Carpets, you will get our Big Book of Carpets, beautifully illustrated and fully described, over 100 beautiful color plate samples of carpets reduced from 15-yard lengths.

**THE BIG FREE BOOK** shows almost endless variety of Carpets, Art Squares, Rugs, Matting, Linoleum, Stairs, Curtains, Draperies, Upholstery, etc. Yard width carpet, 11 feet wide and upwards; big rugs with fancy borders and fringes to cover big parlors, \$1.98 and up. We will explain why we sell carpets at about one-half the price others charge.

**OUR FREE TRIAL PLAN** will be fully explained. How we cut and make carpet in any shape to fit any room, our binding quality guarantee, our pay after received terms, quick delivery, color scheme, very little freight charge, all will be explained to you. Cut this ad. out and send to us on a postal card say, "Send me your Free Carpet Catalogue." and you will get all this free, and you will get our very latest and most astonishingly liberal carpet offer. A carpet proposition never known before. **WRITE TODAY** and see what you get **FREE** by return mail, postpaid. Address:

**SEARS, ROEBUCK & CO., Chicago**

**100,000 BLACKBERRIES** Bowers, Kenoyer, Ward, Marshean, Eldorado, King, etc. Finest catalog. W. N. Bear, New Canaan, Ct.

### EVERYTHING for the GARDEN

is the title of Our New Catalogue For 1905—the most beautiful and instructive horticultural publication of the day—186 pages—700 engravings—6 superb colored plates—6 duotone plates of vegetables and flowers.

To give this catalogue the largest possible distribution, we make the following liberal offer:

### Every Empty Envelope

Counts as Cash.

To every one who will state where this advertisement was seen and who encloses Ten Cents (in stamps), we will mail the catalogue

AND ALSO SEND FREE OF CHARGE,  
**Our famous 50c. "HENDERSON" COLLECTION OF SEEDS,** containing one packet each of *Giant Mixed Sweet Peas*; *Giant Fancy Parsnips*, *Mixed*; *Giant Victoria Aspers*, *Mixed*; *Big Boston Lettuce*; *Henderson's Freedom Tomato* and *Non plus ultra Radish* in a coupon envelope, which, when emptied and returned, will be accepted as a 25-cent cash payment on any order amounting to \$1.00 and upward.

**PETER HENDERSON & CO.** 35 & 37  
CORTLANDT ST. NEW YORK CITY

### Beautify Your Home

Brighten and beautify your surroundings—make them more fruitful. The grounds and the gardens will yield pleasure and profit when planted with **Grover's Healthy Trees, Shrubs and Vines**

We offer a complete line of **Ornamental and Shade Trees, Fruits, Small Fruits, Rose Bushes, Vines and Shrubs**—everything for beauty and fruit—high-grade northern grown, free from scale and diseases; all standard varieties. Carefully packed. Buy direct at wholesale prices. Early orders solicited. Free catalog. **Grover Nursery Co., 164 Trust Bldg., Rochester, N. Y.**

### IF YOU HAVE POULTRY READ THIS

The Famous Safety Incubator, 60 egg capacity, reduced to \$4.95; 100 egg capacity, \$7.55. The Safety Indoor Brooder, for 50 chicks, \$4.15; for 100 chicks, \$6.55. One Safety Incubator, 60 eggs, and one Safety Brooder, 50 chicks, both to one address, \$8.95. Same combination for 100 eggs, \$13.95.

Did you ever hear of such bargains! All prices free on the cars at factory.

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Address **GREEN'S NURSERY CO., Supply Dept., Rochester, N. Y.**



Brilliant.

Free men freely work:  
Whoever fears God, fears to sit at ease.  
—Elizabeth Barrett Browning.

Without halting, without rest,  
Lifting better up to best;  
Planting seeds of knowledge pure,  
Through earth to ripen, through heaven  
endure.  
—Emerson.

Because the rose must fade,  
Shall I not love the rose?  
Because the summer shade  
Passes when winter blows,  
Shall I not rest me there  
In the cool air?

Because the sunset sky  
Makes the music in my soul,  
Only to fall and die.  
Shall I not take the whole  
Of beauty that it gives  
While yet it lives?  
—Richard Watson Gilder.

O to be up and doing,  
Unfearing and unashamed to go  
In all the uproar and the press  
About my human business!  
My undissuaded heart I hear  
Whisper courage in my ear.  
Thou, O my love, O my friends—  
The gist of life, the end of ends—  
To laugh, to love, to live, to die,  
Ye call me by the ear and eye.  
—Robert Louis Stevenson.

These are the gifts I ask  
Of thee, Spirit serene:  
Strength for the daily task,  
Courage to face the road,  
Good cheer to help me bear the travel-  
er's load,  
And, for the hours of rest that come be-  
tween,  
An inward joy in all things heard and  
seen.  
These are the sins I fain  
Would have thee take away:  
Malice, and cold disdain,  
Hot anger, sullen hate,  
Scorn of the lowly, envy of the great.  
And discontent that casts a shadow gray  
On all the brightness of a common day.  
—Henry Van Dyke.

Col. Hunter's Philosophy.

Be brief and pertinent; not curt and  
impertinent.  
"Life ain't in holdin' a good hand,  
but in playin' a poor hand well."  
All things come to those who get tired  
waiting and go after them.  
Late to bed and early to rise spoils  
a man's temper and reddens his eyes.  
Heaps of room at the top, but there  
are no elevators. You'll have to climb  
step by step.  
A rolling stone winds up in a ravine.  
It will never roll to the mountain top  
unless it is pushed.  
Lots of men want the earth, and when  
the undertaker gets ready to give it to  
them they don't want it.  
"If I were young," said a rich banker  
the other day, "I could make a million  
dollars with my money in a very short  
time." Hear ye, young men; never in  
the history of the world have there been  
such opportunities as now. Don't idle.  
Get busy. Do it now.  
"During all my life," says Joe Kip,  
"I have known many men who violated  
all the rules of life, and seemingly pros-  
pered for a time, but every one came  
to ruin. When a man is pursuing the  
wrong course, his ruin is certain as his  
death. The great thing in life is not  
to find something new, but to study that  
which is old, and profit by the mistakes  
that have been made." Honesty leads  
to success. Dishonesty to ruin. These  
rules are as fixed as the movements of  
the earth.—Star Monthly Solicitor.

Here are some quotations from the  
advertisement of a New York apple  
dealer: "Fancy selected Baldwins  
twenty-pound boxes, at \$1.25 per box;  
fancy selected Vermont Snows, 50-pound  
boxes at \$3.00; selected Colorado Jona-  
thans, 25-pound boxes, at \$2.25." This,  
too, in a year when common  
stock is sold from the orch-  
ards for 75 cents a barrel! Is  
there not a moral here somewhere? Of  
course, this is carefully selected fruit.  
Everybody cannot grow it, but many  
people can. The trees must be good,  
healthy, well pruned and cared for. But  
it is worth one's while to give some ex-  
tra attention to fruit worth \$10 per bar-  
rel. Here is food for reflection, at least,  
says "Farmer's Voice." If the fruit is  
so valuable this season, how much would  
it be in an "off" year?

An Idaho ranch owner recently dis-  
covered that he had been robbed by  
one of his herders of 3,000 sheep, which  
had been shipped to Chicago and sold  
for \$7,000. The owner runs a grocery  
business in Boise City and only occa-  
sionally visits his ranch.

There may be such a thing as a man  
who has stolen once and then stopped,  
but we don't know him.

**A GREAT COMBINATION.**  
RELIABLE POULTRY JOURNAL,  
MISSOURI VALLEY FARMER,  
WOMAN'S MAGAZINE,  
GREEN'S FRUIT GROWER.  
Publisher's price, \$1.50. We will have all  
papers sent to one or separate ad-  
dresses one year for 80c.  
Green's Fruit Grower, Rochester, N. Y.

Helps and Recipes.

Iron rust may be removed by salt  
mixed with a little lemon juice. Put in  
the sun. This may be done twice.

Neuralgia and toothache are some-  
times speedily relieved by applying to  
the wrist a quantity of grated horse-  
radish.

The best thing to clean tinware is  
common soda; dampen a cloth, dip in  
soda, rub the ware briskly, after which  
wipe dry.

A little saltpeter or carbonate of soda  
mixed with the water in which flowers  
are placed will keep them fresh for two  
weeks.

Hemorrhage of the lungs or stomach  
is promptly checked by small doses of  
salt. The patient should be kept as quiet  
as possible.

Hoarseness and tickling in the throat  
are best relieved by gargle of the white  
of an egg, beaten to a froth, in half a  
glass of warm, sweetened water.

To clean nickel on stoves, take the  
dust from hard coal ashes, to be found  
in the hole under the ash pan, apply with  
a wet cloth, polish with a dry one.

Insect bites, and even that of a rattlesnake,  
have proved harmless by stirring  
enough of common salt into a good egg  
to make it sufficiently thin for a plaster,  
to be kept on the bitten part.

Good enamel for carriage tops: As-  
phaltum, one hundred and fifty parts,  
boiled oil three parts, benzine twenty  
parts; melt the asphaltum in the oil,  
and add the thinners.

A small piece of paper or linen, moist-  
ened with the spirits of turpentine, and  
put into a bureau or wardrobe for a sin-  
gle day, two or three times, is said to  
be sufficient preservation against moths.

In a case of poisoning, one of the best  
emetics is salt and water, the quantity  
being two tablespoonfuls to about a  
pint of tepid water. Its acts promptly  
and has the advantage of always being  
near at hand.

Ordinary newspapers are very im-  
pervious to cold. If apples are to be  
shipped during winter, line the barrels  
with two or three thicknesses of paper,  
and the apples will rarely freeze if  
properly protected.

Old putty can be removed without in-  
jury to the sash or glass by passing a  
hot soldering iron over it. The heat  
of the iron softens it readily, and per-  
mits its removal with a knife or chisel  
without much trouble.

Erysipelas, a disease coming without  
premonition and ending fatally in three  
or four days, is sometimes very prompt-  
ly cured by applying a poultice of raw  
cranberries, pounded and placed on the  
part over night.

Clinkers may be loosened from fire-  
bricks by throwing in the fire-box, when  
very hot, two or three quarts of oyster  
or clam shells, or a less quantity of  
salt, allowing the fire to go out, and then  
cleave off the clinkers.

Dr. Mortimer Granville, of London,  
says that the man who thinks he has  
caught cold should take a large pinch  
of pungent snuff, like the rapeseed or fine  
Scotch and wrap his coat around him,  
while he has a big fit of sneezing. This,  
he says, is nature's remedy for a chill.  
To Keep the Machinery from Rusting.  
—Dissolve one pound of lard, to this add  
one ounce of camphor; take off the scum  
and mix in as much fine black lead as  
will give it an iron color. Clean the  
machinery and smear it with this mix-  
ture. After twenty-four hours rub clean  
with a soft linen cloth.

She was holding one end of the sofa  
down and he the other, and for seven-  
teen consecutive seconds silence had  
reigned supreme. Then he said:

"I wonder if any girl ever really did  
propose?"

"I don't know," replied his fair com-  
panion, "but I'm sure no girl would do  
such a thing unless she was obliged to."

Several more silent seconds passed.

"Um-yes," he said. "I hadn't thought  
of it in that light."

"And I'm sure," she continued, as she  
moved over and laid her hand softly on  
his arm, "you would never permit a  
girl to humiliate herself in that manner,  
would you?"

"Why—er—I—that is, of course not,"  
he stammered.

The ice having been broken, the rest  
was easy, and five minutes later they  
were engaged in looking up the adver-  
tisements of firms that sell furniture on  
the installment plan.—Chicago "News."

Meat is Poison.—One of the most ex-  
treme vegetarians is the well known  
Russian sculptor, Prince Troubetzkoi,  
who recently visited Paris. He considers  
meat eaters not much better than can-  
nibals, taboos even eggs and milk, and  
lives on vegetables boiled in oil, salads,  
fruits and bread. At his home in St.  
Petersburg he has a number of ani-  
mals, including a bear, two wolves and  
nine dogs, none of which is ever allowed  
to eat meat.

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plan of selling. If you want a cheap, no-account  
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Models of Accuracy. Cultivator, Plow, Rake. Changes quick-  
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subscribers at thirty-five cents each, with-  
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scribers for Green's Fruit Grower for five  
years each, sending us \$5.00 for these five  
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thrilling experiences, the result of a lifetime  
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the most exciting experiences and thrilling  
adventures. The author has circled the  
globe in search of a knowledge of wild  
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catalogue for 1906. It contains 122 large pages, full from cover to cover of illustrations and descriptions of the best and newest things known in horticulture. As the original introducer of Prizetaker Onion, Nott's Excelsior Pea, Davis Wax Bean, etc., etc., I know what I am saying when I make the statement that never before have I offered so many novelties in flower and vegetable seeds of real merit as this season. No up-to-date gardener can afford to be without this book, which will be sent free to all sending me their address on a postal card.

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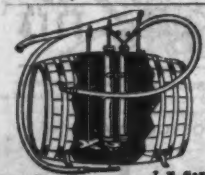
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### When Mother Blows the Light.

Written for Green's Fruit Grower by Pearl Ullila Davis.

When you rise up in the mornin'  
And begin to plan the fun  
That you're goin' to have in playin'  
Till the settin' of the sun;  
You commence to think that life is  
Worth the livin' after all,  
And school-time don't seem half so bad  
When recess cheers our call.  
But when bed-time comes with evening,  
I don't feel lonesome till  
My mother blows the light out  
And the room is dark and still.

Then I start to wonderin' if an  
Awful thing is in the dark,  
That is goin' to scare me badly  
Cause I disobeyed Miss Clark.  
And I 'member that my papa  
Gave a scolding and was mad  
Cause I got my newest suit torn  
In a fight with Bobby Ladd.  
Oh, I tell you I am naughty,  
And I don't get serious till  
My mother blows the light out  
And the room is dark and still!

### AUNT HANNAH'S REPLIES.

Reply to an Engaged Man—You say that the girl to whom you are engaged accepts presents from other men and ask what you shall do. I will say that a girl who is engaged to marry you should not accept valuable presents from other men who might be considered your rivals, or who would like to be rivals for her hand in marriage. This girl to whom you are engaged would not be pleased to have you receive valuable presents from young ladies whom she might consider her rivals. And yet in all relations of life it is well not to be too suspicious or technical. Neither party should object to a trifling gift. Much depends upon the person from whom the gift comes. If the gift to the young lady should be from one who has desired to marry her she should not accept it.

Reply to Honesty—It is not unusual for a man thirty-five years old to be interested in a girl fifteen years old, as you say you are. It is perfectly proper for you to be interested in one so young or even younger, but you should wait until she is older, until she knows better her own mind before you propose marriage to her. Possibly her parents will object to your visiting this young girl often. That is a question for them to decide.

Reply to E. H.—A gentleman may have good reasons for not taking you out to theatricals, picnics, parties, sleigh rides, etc. He may not have the money to spend that he did formerly, or his time may be too much occupied with his business or something that is requiring particular attention. No, it would not be the proper thing for a young lady to write to such a gentleman asking his reasons for not taking her out. Girls must have patience and charity, and endeavor to make excuses for the lack of attention on the part of young men. You say a gentleman friend calls and that he does not invite you out as he did formerly. The fact that he calls shows that you have not lost interest in his eyes.

Reply to Sarah, of Pa.—It is difficult to instruct you how to manage the young man who stays late at night. This is a common fault with the young men who call upon young ladies. It is indeed a compliment to the young lady that he should desire to stay so long, but it is a bad practice, and one to be frowned upon by both parents and daughters. I advise that you be particularly entertaining during the early part of the evening and when the time comes when he should depart let him do the talking. Possibly this will give him a hint. I know of a successful business man who was deeply in love with a young girl, whom he afterward married, who never continued his visits after ten o'clock, and usually left at nine o'clock.

### THE HARSH PARENT.

This individual has been doing active service in story books and in stage performances for many years. The harsh parent has made different plans for his son in the way of marriage than the son has made for himself. The harsh parent steps in between two loving souls and attempts to separate them for time and for eternity. The harsh parent is indeed made to appear to be a veritable bogey, an untamed beast seeking whom he may devour, but if you will inquire closely and study carefully the nature and tendency of the so called harsh parent you will find him or her actually to

be a kind hearted parent, wishing and seeking the very best things in life for his or her offspring. Girls and boys eighteen or twenty years of age naturally think they know better what they want and what is good for them than does the seemingly harsh parent. In fact young boys and girls are but children; they are immature in body and mind, and need the guiding hand of a parent. Parents sometimes make mistakes, but more often young people make mistakes, or attempt to make them. We have a sample in a letter on another page to Aunt Hannah from a young girl who asks whether she should elope with a young man since her father objects to her marriage to him. I would rather think in this case, and in most instances that the young people were at fault, or in a position to make a mistake than the father, and yet it is human to err, either for aged people or young people. An elopement is a public scandal, something that no self respecting person should think of for a moment.—Aunt Hannah.

### WIVES AND HUSBANDS WANTED.

I have several letters from young men in the far west who are subscribers to Green's Fruit Grower, and who desire to marry but find it difficult to find suitable wives in their locality. These young men asked that the address of certain young people who have asked for advice in this department, be sent them. This I do not feel at liberty to do, even if I had the addresses, but I do not keep addresses. I am continually impressed with the fact that there are young men in both the east and west who desire to marry but who have not found suitable companions, and the same can be said of young women in both the east and west who desire good husbands and who are unable to find them in their locality. I would gladly do something to help these young people, but conclude that it is impossible for me to be of service since it is not possible for me to know enough about those who write me to recommend either the young men or the young women. But the fact that there are so many who desire to establish homes who are not able to do so should teach the importance of innocent social functions in every locality that will give young people better opportunities for becoming acquainted.—Aunt Hannah.

Attend carefully to details of your business, says Baron Rothschild. Be prompt in all things. Consider well, then decide positively. Dare to do right, fear to do wrong. Endure trials patiently. Fight life's battles bravely, manfully. Go not into the society of the vicious. Hold integrity sacred. Injure not another's reputation nor business. Join hands only with the virtuous. Keep your mind free from evil thoughts. Lie not for any consideration. Make few acquaintances. Never try to appear what you are not. Observe good manners. Pay your debts promptly. Question not the veracity of a friend. Respect the counsel of your parents. Sacrifice money rather than principle. Touch not, taste not, handle not intoxicating drinks. Use your leisure time for improvement. Venture not upon the threshold of wrong. Watch carefully over your passions. 'Tend to every one a kindly salutation. Yield not to discouragement. Zealously labor for the right: And success is certain.

### A Book on Poultry Keeping.

Have you read Green's American Poultry Keeping? A booklet in stiff paper covers published by Chas. A. Green, Rochester, N. Y. This is the season when you will need such a book, therefore allow us to call your attention to it. It gives 999 suggestions to poultry keepers. It is illustrated and treats of hatching, of various diseases, of feeding, of the different breeds, tells you how to construct poultry houses, tells about the incubators, about turkey raising, how to keep eggs, etc., etc. Price 25 cents. This booklet is mailed free as a premium to all who send 50 cents for Green's Fruit Grower 1 year who claim this premium when sending their money.

"I saw 'Push' on the door and come in to tell you that I wanted work. I am chock full of 'push,' and if you will give me something to do I will demonstrate what I say. A man needs 'push' to get along in the world these days." The proprietor was so pleased with the youth's manner and business-like air that he gave him a job unloading pig iron in the foundry at 75 cents a day. In three years that same youth was foreman in the foundry department; three years later he was foreman of the shops, and he is now a partner and manager of the concern.

All is not gold that pays a 6 per cent. dividend and calls for a 12 per cent. assessment.

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to the farmer who understands how to feed his crops. Fertilizers for Corn must contain at least 7 per cent. actual

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Rarest, New, Cheapest, Old.  
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and guarantee safe arrival and satisfaction. Larger sent by express or freight. A valuable 168-page catalogue free. Send for it and see what values we give for your money. Correspondence solicited. 51 years. 44 Greenhouses. 1000 Acres.

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Strawberry plants by the 1,000,000, Raspberries, Blackberries, Gooseberries, Currants, Grapes. All the good old and many choice new varieties. Illustrated, descriptive catalogue giving prices and telling how to plant and grow them. Free to all. For 30 years a small fruit specialist. 250 acres in berries.

**J. T. Lovett, Little Silver, N. J.**

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### SEED CORN

"Edge drop" planters are no good unless the seed is of even size and perfect shape. I breed corn with perfect and uniform kernels and I grade all my shelled seed with a specially constructed mill that throws out every uneven, round or thick kernel better than you could possibly do it by hand. Every kernel must be just like every other—even, flat, just right. That means even, accurate planting and a perfect stand. No trouble, no delay. All my shelled seed is screened this way, a feature no other seed man can offer. Samples and catalog free. Henry Field, Seedman, Box 62, Shenandoah, Iowa.

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If you want to sell for cash, or exchange, send description and price, and I will tell you whether

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Property for sale and exchange, everywhere and anywhere.

**E. C. BROWN, 2121 MADISON AVENUE, NEWPORT NEWS, VA.**

**THE FRUIT GROWER**

**ST. JOSEPH, MISSOURI**

is the first authority for farmers and fruit-growers in the great fruit-growing centers. The April number will be a "special" devoted to an extended discussion on the profitable raising and marketing of Small Fruits. Every berry-raiser, every well as every other number of this paper. The Fruit Grower is the best business farm paper published, and costs only 10 cents. Send the name of your paper for a year's trial. Send no money. The Fruit Grower is published by

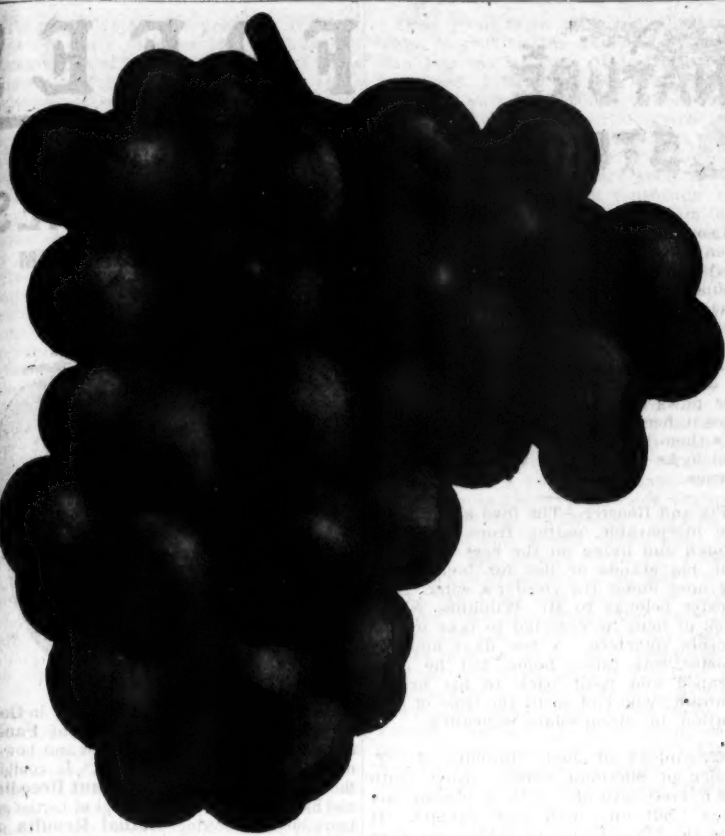
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All three papers one year for \$6.00, the value of one. There are others nearly as liberal on another page.





THE REGAL LONG KEEPING RED GRAPE.

Our attention was called to this valuable variety by Matthew Crawford, of Ohio, who has fruited it for several years upon his place. Notice the remarkable growth of the vine and its marvelous productiveness. I have before me on my table clusters of the Regal Long Keeping Grape. The color of the grape is a bright, attractive red. This color is greatly in its favor since red grapes are the ones wanted in the market and those difficult to secure. The berries are large and set compactly together in the clusters. The flavor of the grape is fine and the quality good. The skin is remarkable, being thin but tough, with a raisiny flavor. It is the skin which makes the Regal grape a long keeping variety. Regal grape has been bearing at the Geneva Experiment Station for several years, where it has done well and has been favorably mentioned by that station. Matthew Crawford says: "The Regal grape was expressed in common half bushel baskets filled to the brim, to my friends in Cleveland, Chicago, Beaver Falls, Pa., Painesville, O., and elsewhere, and they never failed to arrive in good condition." Anyone who notices the skin and its firm adherence to the stem will be satisfied it is a good keeping grape.

All About It.

"How long have you published Green's Fruit Grower?"

"This is the twenty-fourth year."

"What is the price?"

"Fifty cents per year."

"How much is it worth to subscribers?"

"At least \$10.00 to each subscriber."

"Does each subscriber get a premium?"

"Yes, if he requests the premium when sending in his subscription."

"What are the premiums worth?"

"In some instances one premium has been worth \$10,000 or more."

"How is that?"

"We have sent by mail peach trees and other fruit trees to new sections of the great west, such as the Pecos Valley and other sections, before they were open to railways, and the success of those trees has led to the opening of vast fruit growing regions."

"Mention one of your useful premiums."

"Our rubber stamp outfit which prints your name and address in type plainly. It is a complete and ingenious device, nickel-plated with rubber pad. All you have to do is to press the button. This little device has been known to save subscribers much money since it prevents their letters from going astray and insures prompt and certain returns to correspondence."

"Who cares for your magazine?"

"The wife, children, every member of the family and surrounding neighbors who will borrow it."

"How many subscribers have you?"

"So many that we have to print 120,000 copies each month to go around."

The Horse.—Scratches, grease heel and all similar complications come directly from not taking proper care of the horse's feet and limbs. Farm horses most especially are allowed to stand too long after usage with the mud adhering to them. This, though, is no more prevalent than allowing horses to stand in unclean stables, where the manure is perhaps not thrown out more than once a week. The ammonia arising from the fermenting manure is not only injurious to the general health of the animals, but it is one of the most prolific causes of grease heel, cracked quarters, etc. The stable should be cleaned at least night and morning, and the horses should not be allowed to stand in their dirt after being used any longer than necessary for the mud to sweat and dry.

If wealth comes, beware of him, the smooth, false friend! There is treachery in his proffered hand; his tongue is eloquent to tempt; lust of many harms is lurking in his eye; he hath a hollow heart; use him cautiously.

"I don't see how you can have any fault to find with him."  
"Why not?"  
"Because he appears to be a man who is absolutely without faults of any sort."  
"That's just it; that's his worst fault."

Good News for Americans  
Dr. SPROULE, B. A.  
The Great Catarrh Specialist Explains  
HIS METHOD OF TREATMENT



DR. SPROULE, B. A.,  
English Specialist in Catarrh and  
Chronic Diseases.

Catarrh is a disease of the mucous membrane and is curable only through the blood, and by medicines prepared for each case. Medicine that will cure one will often harm another. Dr. Sproule's method drives every germ out of the body. It clears the head, stops the hawking and spitting, sweetens the breath, strengthens the eyes, restores the hearing. It purifies and enriches the blood. It invigorates and tones up the entire system. It gives new life, energy and ambition. The hardships of life seem easier to bear. Work becomes a pleasure. The man feels as if made over.

Dr. Sproule's name is revered as that of a benefactor in thousands of homes. If you have any symptoms of Catarrh, the doctor earnestly invites you to write to him and tell him all about it. It will cost you nothing. He will give you the most valuable

Medical Advice Free.

He will diagnose your case without charge and tell you just what to do to get cured. Do not delay. In such cases every moment is precious. Do not neglect yourself. Above all do not give yourself wrong treatment. The results may be fatal.

CATARRH OF THE HEAD AND THROAT.

The most prevalent form of Catarrh results from neglected colds.

1. Do you spit up slime?
2. Are your eyes watery?
3. Does your nose feel full?
4. Does your nose discharge?
5. Do you sneeze a good deal?
6. Do crusts form in the nose?
7. Do you have pain across the eyes?
8. Does your breath smell offensive?
9. Is your hearing beginning to fail?
10. Are you losing your sense of smell?
11. Do you have up phlegm in the morning?
12. Are there buzzing noises in your ears?
13. Do you have pains across the front of your forehead?
14. Do you feel dropping in back part of throat?

If you have some of the above symptoms your disease is Catarrh of the Head and Throat.

Answer the above questions, yes or no, write your name and address plainly on the dotted lines, cut out and send to Dr. Sproule, B. A., English Specialist (Graduate in Medicine and Surgery, Dublin University, formerly Surgeon British Royal Naval Mail Service), 11 to 15 Trade Building, Boston. Be sure and write to-day.

DISEASES OF BRONCHIAL TUBES.

When Catarrh of the Head and Throat is left unchecked it extends down the wind-pipe into the bronchial tubes, and in time attacks the lungs and develops into Catarrhal Consumption.

1. Do you take cold easily?
2. Is your breathing too quick?
3. Do you raise frothy material?
4. Is your voice hoarse and husky?
5. Have you a dry, hacking cough?
6. Do you feel worn out on rising?
7. Do you feel all stuffed up inside?
8. Are you gradually losing strength?
9. Have you a disgust for fatty food?
10. Have you a sense of weight on chest?
11. Have you a scratchy feeling in throat?
12. Do you cough worse night and morning?
13. Do you get short of breath when walking?

If you have some of these symptoms you have Catarrh of the Bronchial Tubes.

NAME .....

ADDRESS .....

**If You Want a FENCE**

That is made from the best High Carbon Steel Wire. That is Heavily Galvanized to prevent rust or corrosion. That is TWISTED to provide for contraction and expansion. That is Strong Enough to turn the most vicious animal. That is Woven Closely to turn chickens and small pigs. That staples to the posts as you would nail a board. That easily adjusts itself to all uneven surfaces. That is woven in such a manner that compels every wire to bear its portion of strain. That you can buy direct from the firm that makes it, with Freight Prepaid to your nearest railroad station, and return it if it displeases you in any particular. That you can erect and use for Thirty Days, and if unsatisfactory return at our expense and get your money. Write for Free Catalog giving full information. Address, HITSZELMAN BROS., Box 24 MUNCIE, INDIANA.

Please mention Green's Fruit Grower.

"Don't borrow or lend, pay old debts."



Have a knife of your own. Have a good one. Let us make you a present of a Keen Cutter, Hand Hammered outfit, like illustration which is only about one-third actual size. It possesses good stuff and will give satisfactory service. We will send you one post-paid on receipt of your 50c. to pay for Green's Fruit Grower one year, if you claim this premium when subscribing.



Perhaps it's a Pruner you need.

Every fruit grower should own a good one. We are in position to supply every subscriber to Green's Fruit Grower with the useful article. Will send one to you post-paid on receipt of 50c. to pay for the paper one year and 25c. additional. Send 75c. for paper and pruning knife.

Address, GREEN'S FRUIT GROWER,  
Rochester, N. Y.



Lamp-chimneys that break  
are not

MACBETH'S.

If you use a wrong chimney, you lose a good deal of both light and comfort, and waste a dollar or two a year a lamp on chimneys.

Do you want the Index? Write me.

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The Pump That Pumps  
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with steel roller bearings, easy to push and to pull, cannot be thrown off the track—hence its name—“Stayon.” Write for descriptive circular and prices. Exclusive agency given to right party who will buy in quantity.  
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I have been growing plump seeds and selling them on the square. My customers stick. Nobody else sells my quality of seeds at my prices. I cent a pkt. and up. Onion seed 50c per lb. All other seeds equally low.  
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This watch has a SOLID GOLD LAID ENGRAVED CASE, AMERICAN MOVEMENT, fully guaranteed to keep correct time; equal in appearance to SOLID GOLD WATCH, guaranteed 25 years. We give it ABSOLUTELY FREE to boys and girls as prizes for solving the Watch or Puzzle. Send your name and address and we will send you a watch or puzzle, whichever you prefer. No purchase necessary. Send to us at once.  
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SECRETS OF FRUIT GROWING.

C. A. Green has been photographing orchards, vineyards, berry fields, etc., and has collected over 100 photographs in a new book with helpful suggestions to fruit growers, instructing the reader in the secrets of fruit growing. It is unlike anything published, illustrating and describing methods of planting and growing trees, etc. Something every fruit grower should have. The price is 25c, but we will accept 10c if you will mention this paper. Our new fruit catalogue will be sent in the same package. Address:  
**GREEN'S NURSERY CO., Rochester, N.Y.**



#### A FISH WITH THREE HEARTS

Written for Green's Fruit Grower by George Bancroft Griffith.

One of the most formidable and marvellous monsters of the deep is the cephalopod or cuttle-fish, of which there are told some very extraordinary stories. The body of this fish is very singular in structure, consisting of an abdominal mass, and a head separated by compression. The body is covered by a mantle in the form of a sack. The head has a projecting and well-developed eye on each side; it is surrounded by a sort of fleshy tunnel, which is divided by four pairs of tentacles or feelers. These tentacles serve the animal at once as organs of locomotion for swimming, for creeping, and for seizing and retaining its prey. The glance of its eye is decided and threatening; and its golden-colored iris is said to have something fascinating in it. They have the power of reproducing any arm that may be destroyed and are said to possess three distinct hearts.

The cuttle-fishes are essentially aquatic and marine animals. We find them in every sea in all parts of the world; but they are the most formidable in warm countries. They have a great predilection for the shore. During their youth they associate in flocks; but with age they fly from association, and retire into the clefts and hollows of the rocks. The old cuttle-fish is only found in rugged and rocky places, bristling with naked, and pointed rocks, which have been worn by the waves, but generally in places only a few feet below the level of low water.

"How often," says D'Olbigny, "have we not observed the cuttle-fish in his favorite retirement! There, with one of his arms cramped to the walls of its dwelling, it extends the other toward the animals which pass at its gate, embraces them, and by its power renders useless all their efforts to disengage themselves."

If we observe a cuttle-fish when it is what may be called walking, either on land or at the bottom of the sea, it will be seen to walk on one side, its head downward, its mouth touching the ground, the arms extended and grappling some supporting object, and drawing the body forward; at the same time the arms at the opposite side are contracted and folded up, so as to assist by a contrary movement.

Altogether, this is one of the queerest marine creatures that inhabit the mighty deep.

New Jersey Skeeters.—Even at the East, where the buffalo gnat is unknown, it has occasionally a pretty good rival in the mosquito. In Northern New Jersey the latter sometimes appears in such numbers as to render life out of doors almost impossible. In Newark stores have been known to be closed part of the time for a day or two on account of mosquitoes, as neither customers could buy nor clerks sell by reason of the pest.

Polishing Glass.—A high lustre will be given to glass if wiped with a paste made of alcohol and whiting.

Glass.—"Tradition tells us," said Mr. Ashby, that a fire built upon a sea beach gave to the world the invention of glass. However that may have been, glass has certainly been produced both before and since that time from sand by the instantaneous fusion effected by lightning striking into a bank of loose sand and forming a vertical tube of fused sand, called a fulgurite. "What are known as 'musical sands,' owing their sonorousness to the vibration of films of condensed gases, which have become condensed upon the surface of the sand grains during evaporation of moisture, are found in large quantities in this country, more especially on the Pacific coast. But they are more familiar to the natives of the Hawaiian Islands, who, in primitive times, attributed the sounds to the spirits of the dead, who, they believed, grumbled at being disturbed; these sand hills or dunes having been used in early times as places of burial.

Lion Kittens.—Three lion cubs in one of the cages of the Central park menagerie are as frolicsome as kittens. They seem never to tire of play. They take turns in springing upon and catching in their mouths their mother's swishing tail, but the old lady doesn't seem to mind their little bites. She even keeps swinging her tail for their amusement.

Leo, the big lion in the next cage, has been a widower for several years; but he is fond of baby lions, and when the youngsters go romping near the bars dividing the two cages he tries to play with them. The mother lion, actuated by jealousy or fear that he wants to eat her children, rushes to the bars, spits at the old gentleman, strikes at him with her paws and then picks up her little ones in her mouth one at a time and carries them to the further side of the cage. Leo looks grieved and slinks away to a corner.

Pig and Rooster.—The fowl and the pig are inseparable, eating from the same trough and living on the best of terms. The pig stands or lies for hours with his nose under the rooster's wing. The rooster belongs to Mr. Williams, whose flock of hens he deserted to take up his present quarters. A few days ago the rooster was taken home, but he soon escaped and went back to his bristly comrade, who had spent the time of separation in disconsolate squealing.

Wagonload of Jack Rabbits.—J. T. Welch of Sheridan county drove into town last Saturday with a wagon box piled "full up" with jack rabbits. It was the biggest load of rabbits we ever saw—240 in all. They were all killed in one day by a gang of eighteen fellows who chose up, nine on a side, the old men against the young, and the losing side was to serve refreshments to the winners. The young men won, and we understand the "refreshments" have been ordered. The rabbits were shipped to a Denver market.

Wild Animals in Massachusetts.—Arthur Fuller of Montville, Mass., has killed five wildcats, twenty-two coons, twelve foxes, three mink and numerous rabbits and birds so far this season. One of the wildcats measured 5 1-2 feet from tip of nose to tip of tail.

Farmer Shot by a Cow.—Ira Cummins, a Woods, county farmer, was accidentally shot while attempting to remove a cow and a calf from a pasture. Cummins carried a loaded shotgun, and the cow became angry and chased Cummins. In so doing she caught her horns on the gun trigger, discharging the weapon. The contents entered Cummins' breast, killing him instantly.

Winged Pests.—Chemists tell us that the poison injected into the system by the bite of an insect like the mosquito or flea is the same in kind as that injected by the bite of a serpent like the rattlesnake or copperhead, though, of course, much less in quantity. Let enough insects bite a man or bees sting him simultaneously or in rapid succession, and death will follow as sure as if he were stung by a venomous snake. At the West there flourishes a winged insect, the "buffalo gnat," so named from its fancied resemblance in shape to the Western buffalo or bison. It attacks chiefly larger stock like horses and cattle, though sometimes also human beings. The bites, when inflicted by an immense swarm, often prove fatal. In 1874 a notable raid of buffalo gnats in a limited area of Tennessee killed \$500,000 worth of live stock.

Acid on Cloth.—If an acid has been spilled on cloth, sponge with diluted ammonia, and the color will be restored.

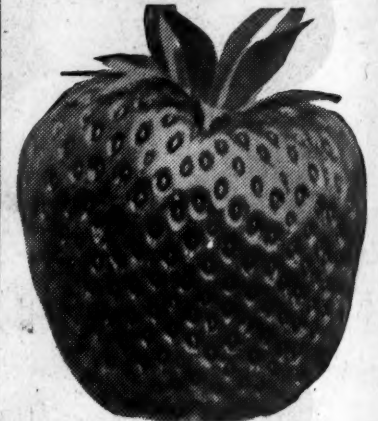
How He Proposed.—"Well," she confessed, "if I must tell the truth, I never had a proposal."

"Did the job yourself in leap year, eh?" asked Mrs. Sharp.

"Not a bit of it. You know what a difficult man Bob is. I could not help seeing that he loved me devotedly, and I knew I loved him. I was as sure of him as sin is sure of punishment. I let two other good chances go by before they reached the proposal stage during the seven months of Bob's courtship. One afternoon he sent me a box of chocolates with a beautiful diamond ring inside. Our initials were engraved on one side of the shaft and a chain-link on the other. It was quite a shock to my girlhood's dreams of the sort of proposal I wanted. I cried a bit, and I really believe now they were tears of joy. Anyway I had the ring on my engagement finger when Bob called that evening. In a few moments we were chatting away about the plans for our wedding as naturally as though we had been engaged for weeks."

FREE!

GREAT CROPS OF  
STRAWBERRIES  
AND HOW TO GROW THEM



The BOOK that is worth its weight in Gold because it tells how Big Crops of Fancy Berries can be grown every year and how to market them at a Big Profit. It contains the Latest Discoveries in Plant Breeding and has 110 beautiful engravings of berries and berry fields, showing Actual Results obtained by progressive growers. It tells how to Start a Profitable Berry Farm with a small capital. It is invaluable to the experienced fruit grower and gives Plain Instructions for the beginner. Don't order your plants until you Read This Book. It is Free. Send your address to the

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Please mention Green's Fruit Grower.



Did you ever see 5 straight or circular rows of Panicles side by side, each a different color? If so, you know that the effect is charming. Did you ever see Child's Giant Panicles, marvels in beauty and true to color? If not, you have not seen the best. As a Trial Offer we will for 10 cts. mail 5 Pkts. Giant Panicles, Snow White, Coal Black, Cardinal Red, Pure Yellow, Azure Blue, also Five Pkts. New Giant Sweet Peas for 10 cts., White, Pink, Scarlet, Blue, Yellow; also Five Pkts. new early flowering Carnation Pinks for 10 cts., Scarlet, White, Pink, Red and Striped—or All 15 Pkts. for 25 cts.

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**JOHN LEWIS CHILDS, Floral Park, N.Y.**

**GRAPE VINES**  
Currants, Gooseberries, Blackberries, Raspberries, Strawberryberries. Price List FREE.  
Send 2c stamp for illustrated descriptive catalog.  
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**Strawberry Plants and Seed Potatoes.**  
You can make more money if you plant intelligently. Write and tell us about your soil. We'll send you our Free Descriptive Book. Over 100 varieties.  
**THE FLANSBURG & PEIRSON CO., LESLIE, MICH.**

**\$11.50 WINDMILL**  
FOR \$11.50 and upward we furnish the highest grade galvanized steel Pumping Windmills made. For \$22.40 and upward we furnish Windmills, complete, with the highest grade galvanized angle steel towers made. For the lowest prices ever known on all sizes of Windmills, Towers, Tanks, and the most liberal and wonderful Windmill offer ever made, write for our Free Windmill Catalogue. Address: **SEARS, ROEBUCK & CO., Chicago.**

**Strawberries**  
The Mark Hanna should be included in every order. A great new variety. Strong growing, regular and prolific bearer of excellent large berries. We grow All Varieties and we want you to see what Harrison quality plants means. None better grown, vigorous, well rooted, sure bearers. Prove by sending us trial order, any size. 1906 catalog of all fruits free.  
**Harrison's Nurseries, Box 11 Berlin, Md.**  
Please mention Green's Fruit Grower.



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Grower.

To make cloth waterproof, in ten gal-  
lons of water dissolve two pounds and  
four ounces of alum. Dissolve the same  
quantity of sugar of lead in the same  
quantity of water, then mix the two to-  
gether. Pour off the clear liquor, im-  
merse the cloth in it for an hour, take  
it out, dry it in the shade, wash in clear  
water and dry again.

**Big Clams.**—A shipment of enormous  
clams, every one of which is big enough  
to feed a whole family, has been re-  
ceived by a South Water street firm.  
Some of the monster bivalves are eight  
inches in diameter and weigh seven  
pounds, their huge proportions being at-  
tributed to their extraordinary age,  
which is estimated to average 15 years.  
The giant mullusks hail from the coast  
of Florida, where they were tongued up  
from the waters of the Gulf of Mexico.

**Squirrel's Jump.**—The squirrel just  
managed to reach the branch by the  
outermost twig, and, unable to get a  
firm hold with all four feet, hung by its  
front feet, or "hands," suspended over  
the road and swinging violently, for  
quite half a minute. Then, as the coach  
rumbled almost underneath, the squirrel  
made a desperate effort and swung it-  
self into safety, leaping out of sight  
among the branches in a flash, as though  
thoroughly frightened.

**Animals' Wanderings.**—The mouse  
only travels when it has to. The rat, on  
the contrary, seems to take a yearly out-  
ing, in very much the same fashion as do  
human beings. Rats are the most mi-  
gratory creatures in the world. Whole  
troops of rats leave the towns at the end  
of summer and spend a month or two  
in the country, apparently in order to  
enjoy the change of food which the coun-  
try affords at that time of the year in  
the way of fresh fruit and grain. Before  
the cold weather sets in they are all back  
in their old quarters.

Reindeer migrate with the same regu-  
larity as swallows. They move south  
when winter sets in, but as soon as ever  
the snow begins to melt they travel  
steadily north, sometimes for as much as  
a thousand miles.

To end a holiday by deliberate suicide  
is so strange a phenomenon that for a  
long time naturalists looked upon the  
stories of the migration of the lemmings  
as an improbable fiction. Yet the facts  
are beyond dispute. At irregular inter-  
vals these ratlike creatures start out  
from their homes in the fastnesses of  
Northern Scandinavia in huge droves,  
numbering tens of thousands, and travel  
steadily southward. Death pursues them  
in a hundred forms. Hawks and other  
birds of prey hover above them. Foxes,  
wolves and man decimate them. Thou-  
sands are drowned in rivers. Yet the  
rest struggle on, until they reach the  
sea. They do not stop. They plunge in,  
swim out and struggle on, until at last  
their strength fails and they drown. No  
one ever returns from his journey of  
death.

**Nero and Jesus.**—Tacitus, the ancient  
historian, says in regard to the burning  
of Rome: Hence, to suppress the rumors,  
he (Nero) falsely charged with the guilt  
and punished with the most exquisite  
tortures the persons commonly called  
Christians, who were hated for their  
enormities. Christus, founder of the  
name, was put to death as a criminal  
by Pontius Pilate, procurator of Judea,  
in the reign of Tiberius. But the per-  
nicious superstition, repressed for a time,  
broke out again, not only in Judea,  
where the mischief originated, but  
through the city of Rome also, whither  
all things horrible and disgraceful flow  
from all quarters, as to a common re-  
ceptacle, and where they are encouraged.  
Accordingly, first those were seized who  
confessed that they were Christians.  
Next, on their information, a vast multi-  
tude were convicted, not so much on a  
charge of burning the city as of hating  
the human race and in their death they  
were made the subject of sport, for they  
were covered with hides of wild beasts  
and worried to death by dogs, or nailed  
to crosses, or set fire to, when the day  
declined, to serve for nocturnal lights.  
Nero offered his garden for the spectacle  
and exhibited the circensian games, in-  
discriminately mingling with the com-  
mon people in the habit of a charioteer,  
or else standing in his chariot, whence  
a flood of compassion rose, toward the  
sufferers. Though guilty and deserving  
to be made examples of by capital pun-  
ishment, yet they excited the pity of the  
people because they seemed not to be  
cut off for the public good, but to be  
victims of the ferocity of one man.

This classical passage from the his-  
torian Tacitus is the first allusion to  
Christianity by any Roman or non-  
Christian writer and reveals to us the  
estimation of Christ and His religion by  
a man remarkable for intellectual insight  
and humane sentiment.

Does your farm owe you anything?  
This is putting the question pointedly.  
Can you say to your fields thus: "See  
here now, I have ditched you, dug out  
festering stumps and indigestible rocks,  
fed you with rich fertilizers and  
scratched your back with the best plows,  
harrows and cultivators. You owe me  
for all this, and I expect good fat re-  
turns." When you can truthfully talk  
thus, you may conclude that your farm  
is in a condition to be a blessing to  
you.

On the other hand, when your farm  
can say to you thus: "Jeremiah Fil-  
kins, you have lived on me, and your  
father before you, year in and year out,  
for sixty years. You have neither fed  
nor clothed me, but left me shivering,  
bleak and bare; my feet soaking in  
quagmires, head full of burdocks, and  
other foul weeds, my stomach lank and  
hungry. Your cattle have fed upon me,  
to fatten city nabobs, and no return has  
been made to me. You have carted  
away my vitality in carloads of grain  
and vegetables. I owe you nothing. I  
have paid for myself over and over  
again. I am getting tired of working  
for such a monster. You may try to  
curry my favor next spring by brush-  
ing me with your dilapidated tools, but  
I will disappoint you when the harvest  
comes, for you are a hard taskmaster."

When your farm talks to you like this,  
you may as well get a divorce, post the  
raw-boned horses and rickety tools at  
auction, and seek fresh fields and past-  
ure. For when a farm thus declares  
mutiny there are not enough laws or  
buck-shot in the country to establish  
old-time harmony.

Who is this hard-working man? This  
is the millionaire, the man who wanted  
to be rich and has got rich, and is get-  
ting richer every day. Is he the happi-  
er for it? Happy? Bless your soul,  
he's more miserable, fuller of cares and  
anxieties and harder worked than ever.  
He is the veriest slave of them all. He  
is pushed with, business and business  
is pushing him. He has so many irons  
in the fire that some of them are burn-  
ing his fingers while others are getting  
cold. His present life is a rush from  
the meeting of this board to that board  
and thence to some other board. He is  
director in this company and trustee in  
that, and a silent partner in another,  
world without end and more coming. He  
hasn't time to eat and hardly time to  
sleep, and when he does lay his poor  
head on the pillow he can't stop busi-  
ness plans and schemes, hopes and fears  
from whirling and whirling through it.  
He can't take a day to spend in quiet  
out of town and if he could he would  
take all his business with him into the  
woods. He is a slave and a victim.  
His millions in bank don't bring him so  
much enjoyment as does a new ten cent  
piece given to a boy ten years old. He's  
infected with the mania for getting and  
the more he gets the more he wants.  
If you could see him just as he is and  
where he is inevitably going, and how he  
is going there, you would only pity him.  
He is one of the coming victims of da-  
mentia paralytic, the prevalent ailment  
among so many Wall street men.—  
"Graphic."

President Wilder once said: "So long  
as we raise fruit to eat we can have no  
hesitation in giving the first place to eat-  
ing qualities. Next in importance is  
durability, or keeping; that is, the prop-  
erty, whether early or late, of remaining  
sound after being gathered. The third  
requisite is size; but while we desire  
those of liberal size we should not forget  
that one of monstrous proportions is  
neither desirable for the market or table  
use. But whether large or small, a var-  
iety should be uniform in size. Beauty,  
color, and form will always be regarded  
as of great value. Brilliant colors will  
charm the eye, although they may not  
gratify the taste, but a misshapen, ugly  
form will never be tolerated by any one  
of cultivated taste. I have dwelt upon  
this branch of our subject—and I would,  
if possible, enforce my views upon it  
still more strongly—not only because I  
desire the quality of our fruit raised,  
but to save the American Pomological  
society from the reproach of recommend-  
ing fruits, otherwise unworthy, because  
"there is money in them."

"In these days of automobiles and  
flying machines," said the president of  
the life insurance company, "it is well  
for us to add another restriction to our  
policy."

"What would you suggest?"  
"We must bar out everyone who is  
proven to be a habitual pedestrian."—  
Philadelphia "Press."

A Scot being shown Niagara, was  
asked if he had ever seen aught so  
beautiful and strange. He replied:  
"Weel, for bonny, I'll no say, but, eh  
mon, for queer, I ance saw a peacock  
wi' a wooden leg at Peebles."

## How to Wash Clothes in Six Minutes

**H**ERE'S a Washing Machine that almost  
works itself.  
The tub spins half way around, like  
a top.  
There's a pivot in center of Tub bottom.  
And there is a groove, around the pivot.  
In this groove, or track, there are ball bear-  
ings, like in a Bicycle wheel.  
These Bicycle Bearings are little steel balls  
the size of small marbles. They roll in the track  
when the tub spins around on top of them.  
All the weight of the Tub, and of the Clothes  
rests on these rolling balls.  
That's why the Tub spins so easily when full  
of clothes and water, because it is empty.  
So that a whole tub full of Clothes can be  
washed almost as easily and as quickly, with this  
machine, as a single garment could be washed.  
"How does it wash Clothes, you ask."

See the two Springs under the Tub!  
When you swing the Tub to the right (with  
handle at top) you stretch both these Springs, till  
the Tub goes half way around.  
Then, the stretched Springs pull the Tub  
back from right with a bounce, and carry it  
almost half way around on the left side. Then  
the springs bounce it back to the right side again.  
A little help is needed from you each time.  
But the Springs, and the Ball Bearings, do nearly  
all of the hard work.

Now, if you look inside the Tub, you'll see  
slat paddles fastened to its bottom.  
Fill the Tub half full of hot soapy water.  
Then spin it to the right. The slat paddles make  
the water turn around with the Tub till the  
Springs snap the Tub from turning further to  
the right and bounce it back suddenly to the left.  
But the water keeps on running to the right,  
though the Tub, and the clothes in it, are now  
turning to the left.  
Thus, the swift driving of this soapy water  
through the clothes, at each half turn, washes the  
dirt out of the threads without any rubbing.  
Mind you, without rubbing, which means  
without wearing, the clothes.

It's the rubbing on washboards, and on other  
Washing Machines, that wears out clothes quicker  
than half a use at hard labor.  
That costs money for clothes, doesn't it?  
And the everlasting rubbing is the hardest  
work in washing, isn't it? Rubbing dirty  
clothes on a metal washboard with one's knuc-  
kles, over a tub of steaming hot water, is harder  
work, and more dangerous to health, than dig-  
ging Coal deep down in a mine.

Well, the "1900 Washer" cuts out all the slav-  
ery of washing, and half the expense.

It will wash a whole tub full of dirty clothes  
in Six Minutes. It will wash them cleaner in  
Six Minutes than they could be washed by hand  
in Twenty minutes. And it won't wear the  
clothes, nor break a button, nor fray even a  
thread of lace.

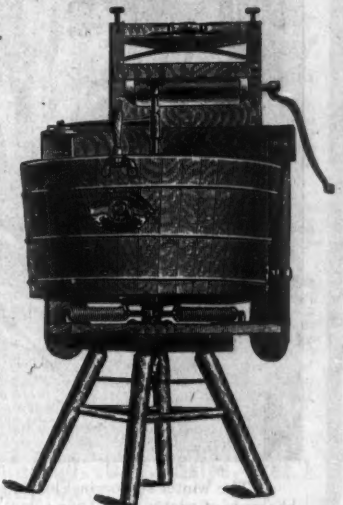
Because Running Water can't wear the  
clothes, nor break buttons, nor tear buttonholes.  
And, it's the hot, soapy water swiftly running  
through the clothes that takes all the dirt out of  
them in Six little minutes.

A child can wash a tub full of dirty clothes in  
half the time you could do it yourself—with half  
the work.

Think what that half-time is worth to you  
every week for Ten years!

It is worth 50 cents a week to you. That is  
\$26.00 a year, or \$260.00 saved in 10 years.  
And, a "1900 Washer" lasts 10 years.

Well,—pay us the 50 cents a week our "1900  
Washer" will save you, for a few months only.  
Then you will own a "1900 Washer" that will  
last 10 years, without any cost to you. But don't  
pay us a cent till you have tested the "1900  
Washer" for a full month, at our expense. We  
will ship it to you free, on a month's trial, and  
leave the test to you. And we will pay the freight  
both ways, out of our own pockets. That shows  
how sure we are that the "1900 Washer" will do  
all we promise.



If you don't find it does better washing, in  
half the time, than you can wash by hand, send  
it back to us. If you don't find it saves more  
than half the wear on clothes, send it back to us.  
If you don't find it washes clothes as easily as  
you could rock a cradle, or run a sewing  
machine, send it back to us. If it won't wash  
dirty clothes in six minutes, send it back to us.

Remember, we will pay the freight both ways  
out of our own pockets. You don't even say  
you'll buy it, till you have used it a full month,  
and know all about it. Isn't that a pretty  
straightforward offer, between strangers?  
How could we profit by that offer unless our  
"1900 Washer" would do all we say it will?  
Don't slave over the wash-tub any more.  
Don't pay a washerwoman for eight hours a  
week when she can do the work far better, with  
less wear on the clothes, in four hours, with a  
"1900 Washer."

The 4 hours a week less labor thus saves  
you 60 cents a week for Washerwoman's Wages.

Pay us 50 cents a week out of that 60 cents our  
Washer saves you, if you decide to keep it, after  
a month's trial. Then you own the Washer.

Write us today, if you want a month's free  
use of the quickest "Washer" in the world.

Address R. F. Bieber, Treasurer "1900 Washer  
Co.," Box 457, Binghamton, N. Y.

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Do you know how best to get most of it out? Subscribe for a paper  
that details every month all the newest methods practiced. It is

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A paper devoted to fruit culture, with a garden department. We will publish in March,  
1900, a special "Gardening" number full of "meat" for gardeners and farmers. Subscribe  
now and get information worth hundreds of dollars in profit. This is one of four  
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orchard, live stock and poultry and does it  
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## Your Spring Help

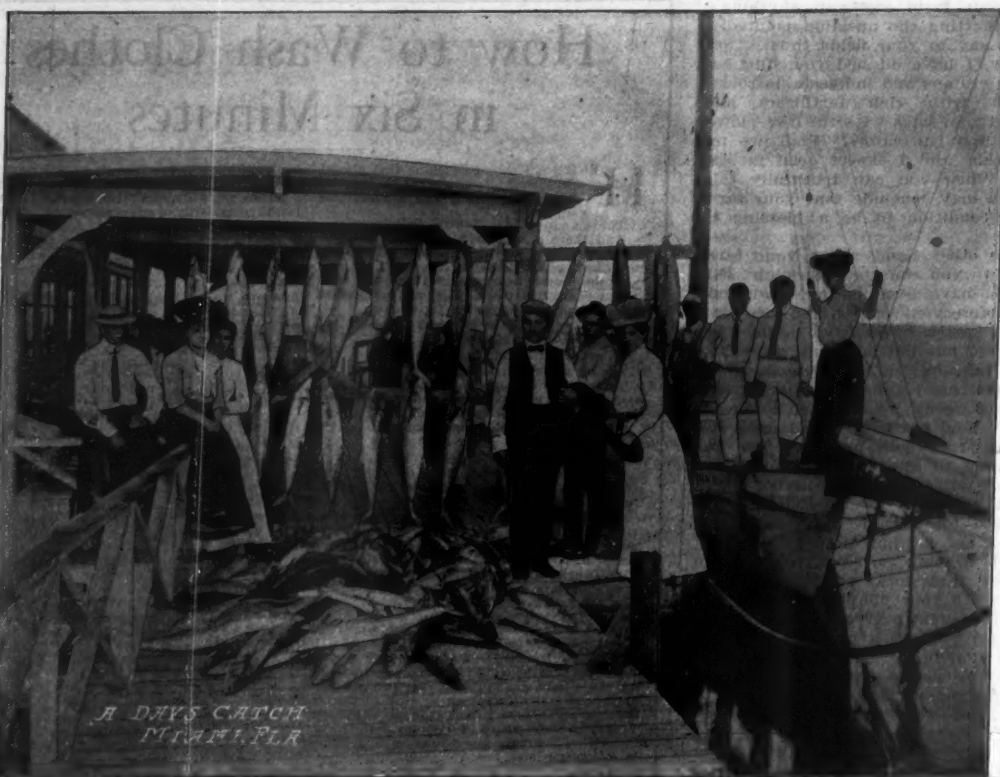
What kind of help will you have this spring. Will  
you do your work the old way with many men and  
much expense, or employ the time-saving, labor-  
lessening and money-making

## IRON AGE Implements

These famous tools double each man's capacity—saving time and money.  
Our new No. 28 Fertilizer Distributor attachment may be applied to our  
famous No. 8 combined tool, or to our No. 1 Double Wheel Hoe  
as is the case with the Seed Drill attachment. This labor saving  
implement and the Iron Age (Improved Robbins) Potato  
Planter are fully described in "Iron Age" a book which should  
be in the hands of every gardener and farmer who would be  
more successful. Sent free.  
BATEMAN MFG. CO., Box 160, Grenloch, N. J.







The winter season in Florida is the hunting and fishing season. Northern people who visit the South to escape the blizzards of winter must have some occupation. Many of them divert themselves with the rod or gun. The party in the above photo-enraving have selected the fishing rod in place of the gun. The man with coat on his arm is Gov. Gates of Illinois. On leaving Rochester, N. Y., in mid-winter, traveling South, it is surprising how soon you strike warmer weather, it occurs far this side of Baltimore. It grows warmer as you approach Washington, still warmer at Richmond, Va., and when you get to Jackson, Fla., you feel like taking off your coat and going in your shirt sleeves like the men in the above photograph. Florida is a revelation to many northern people as a place for winter recreation. Miami, Fla., is along the line of the East Coast Railroad.

### \$19.90 BIG PARLOR ORGAN. ORGAN LESSONS FREE.

**FOR \$19.90** we furnish this big hand-some golden oak Parlor Organ, stands 6 feet high, 4 feet long and 2 feet wide, latest style for 1900, guaranteed the equal of organs sold by others for nearly double the price. Shown by a large picture and fully described in our big free Organ Catalogue sent to any one for the asking.

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**SEEDS**

**BLUE RIBBON COLLECTION**

**Big Offer**

Comprises 15 Earliest Radishes, 12 Prize-Winning Beets, 12 Superior Lettuces, 14 Magnificent Tomatoes, 11 Luscious Melons and 16 Gorgeous Beautiful Flower seeds—in all, 81 fine varieties of vegetable and flower seeds. Varied to please or your money refunded.

**BUSINESS BUILDER**

**Send 7 Cents**

To help pay postage and packing, and receive this remarkable collection of seeds, post-paid, together with our new, valuable, beautiful and instructive Seed Book.

**Don't Walk. Write To-Day.**

**GREAT NORTHERN SEED COMPANY**

571 Rose Street  
ROCKFORD, ILLINOIS

**Try the New Majestic Tomato**

The greatest vegetable novelty of the season. By all odds the largest, finest flavored and most productive in existence. Thousands of our customers who received small trial packages last spring wrote us in the fall that it surpassed all other sorts and produced 100 lbs. to 157 lbs. of fruit to the plant. Many reported single tomatoes weighing 3 lbs. to 5 lbs. each. Just think what this kind of a crop would mean on an acre of ground. The fruits are not coarse grained and poor like other large sorts, but are smooth, solid, have few seeds, and are unsurpassed in quality. Of fine shape and beautiful color. Last year the seed sold at 10c per package of 100 seeds, but this season, we have reduced price to 10c, and in addition to this we are offering

**\$100.00 in Cash**

prizes this year for the largest tomato grown. Our bags illustrated on pages describing the above and many other choice varieties will be sent free if you mention this paper.

**IOWA SEED CO.,**  
Des Moines, Iowa.

#### Buying Harness.

With harness, as with many other things, the best is the cheapest. I do not mean to say that fancy harness which costs a high price is the cheapest for the farmer, but what I mean is that well-made, sewed, and riveted harness, of good, soft, well-tanned leather, is cheaper at twice the price than that which is poorly made from inferior leather. There is also another class or harness that the farmer should avoid buying; that which is made merely to sell, and which the maker will let you have at almost any price rather than not have you purchase at all. The only good place to get reliable harness, is to buy direct from the manufacturer who uses the best of oak-tanned leather, and employs none but experienced workmen. When purchasing your harness the team upon which it is to be used should be at the shop; especially is this necessary in order to get a perfectly fitting collar. All farmers are not able to fit collars upon their horses, therefore it is of the first importance that the seller should be a competent judge, capable of fitting a collar upon any horse with the greatest possible comfort. A large number of horses annually are permanently injured by the want of a proper fitting collar. Naturally a horse's shoulders are the same in strength, shape and toughness, therefore a collar should be of the same shape and firmness on both sides. But many of them are not, and this is the chief cause of sore shoulders so prevalent among work horses. It often happens that one side of a collar is stuffed firmer than the other; and it is sometimes the case that the leather on one side is thicker or harder than on the other. Such collars should never be brought out of the shop.

**Fill Your Ice House.**—If this severe weather is good for nothing else, it will enable you to fill your ice house with solid, crystal, clear ice. It will be worth its weight in gold for the butter and milk next summer. We have only to say, now fill it. Pile and pack it as full as it will hold. Then you will have plenty, whether to make ice cream for Nellie's strawberry party, or to keep your prints of butter hard and golden. Ice no more than four inches thick will do very well for packing, if you can get no heavier, though it does not keep so well. The thinner the ice, the more sawdust or shavings you will need to pack it.

"Now there is talk of another strike in sympathy with the sympathetic strikers."

"Indeed! Are they entitled to sympathy?"

"Well, it's considered hard luck that they have no grievances of their own."

"Puck."

If a man has brass he can get along with a very moderate supply of tin.

#### Oiling Wagon Wheels.

A well-made wheel will endure constant wear from ten to twenty-five years, if care is taken to use the right kind and proper amount of grease; but if this matter is not attended to, it will be used up in five or six years. Lard should never be used on a wagon, for it will penetrate the hub, and work its way out around the tenons of the spokes, and spoiling the wheel. Tallow is the best lubricator for wooden axletrees, and castor oil for iron hubs, but many of the present axle greases are also excellent, and have the merit of being cheaper and more convenient to handle. Just grease enough should be applied to the spindle of a wagon to give it a slight coating. This is better than more, for the surplus put on will work out at the ends and be forced by the shoulder bands and nut-washer into the hub around the outsides of the boxes. To oil an iron axletree, first wipe the spindle clean with a piece of cloth wet with spirits of turpentine, and then apply a few drops of castor oil near the shoulder and end. One teaspoonful is sufficient for the whole.

**Manures.**—There is hardly a manufacturing establishment that does not have waste products of value, either as fertilizers or as divisors, and at least worth the cost of teaming. But the first and main resource of the farmer is the stable and barn, which afford complete and reliable manures. But at the farmers' meetings, if one states an experiment, another will come forward with a different story to refute it, and such is the diversity of results, from diverse circumstances of climate and soils, that it is probable that we know little of value of stable manure. In modern city stables all the liquid excrement goes into the sewers, and when the manure is taken to the farm, it has only half the value that it would possess if the whole of the excrements were saved. After an expenditure of \$4,000,000 on sewers, the city of Boston began forcing into the sea as much more in value. If our country were not almost inexhaustible in its resources it could not stand such waste. Barns and stables should be so arranged as to save the liquid excrement.

I ordered of Green's Nursery Co., Rochester, N. Y., a Hubbardston apple tree six years ago. Recently it was so heavily laden with beautiful red apples that it was blown down by the wind. It contained 13 1-2 bushels of fine fruit and yet the tree was not more than half grown. I am sorry to lose such a handsome and valuable tree.—E. C. Francis, Madison, Conn.

**Hewitt—Talk is cheap.**  
Jewett—Did you ever have your wife talk you into buying her an Easter bonnet?—New York Times.

## SALZER'S SEEDS

**Seedless Barley**  
The barley of your dreams; so hearty; easy to harvest; always big yielding. Mr. Wells, of Orleans Co., N. Y., threshed 171 bu. per acre. You can beat this in 1900 if you try.

**National Oats**  
The marvel and wonder in oats. Will yield for you on your own farm from 150 to 200 bu. in 1900. Try it.

**Billion Dollar Grass and Teosinte**  
The two greatest forage plants of the century. Billion Dollar Grass will produce 12 tons of magnificent hay and Teosinte 50 tons of green fodder per acre. Catalog tells about it.

**Look At These Yields**  
Speltz, 80 bu. grain per acre, and 4 tons of hay besides.  
Macaroni Wheat, 100 bu. per acre.  
Victoria Rape, 40 tons of green food per acre.  
Fest Oat, 55 tons.  
Earliest Sweet Cane, 60 tons green food.  
Potatoes, 500 bu. per acre.

Now such prodigious yields pay. You always get them when planting Salzer's Seeds.

**Onion Seed 50c**  
a pound, and other vegetable seeds just as low. We are the largest Vegetable Seed growers in the world, operating 5000 acres.

**\$10.00 for 100**  
We wish you to try our great Farm Seeds, hence offer to send you a lot of Farm Seed Samples, fully worth \$10.00 to get a start, together with our great seed catalog, all for but 10c. postage, if you mention this paper.

**John A. Salzer Seed Co.** **LACROSSE, WIS.**

Please mention Green's Fruit Grower.

**FIELD'S REID'S YELLOW DENT**

The big brother of the original or Illinois type of Reid's Yellow Dent. Bred to fit the Iowa idea of longer ears, rougher grain, plenty of cob, and a big yield. Same perfect form, handsome color, deep grains and straight rows, but a bigger, better type every way. I sell it either ear or shelled. Catalog, photographs, and samples free and I throw in a package of watermelon seed and of flower seeds besides. Send for them today.

**HENRY FIELD**  
Seedman  
Box 59  
Shenandoah, Ia.

At ST. LOUIS a GRAND PRIZE was awarded on Vegetables the products of

**Burpee's Seeds**

If you garden you want THE BEST

and we shall be pleased to mail you

**Burpee's Farm Annual for 1905**

An elegant new book of 178 pages, which tells the plain truth, with hundreds of illustrations, beautiful colored plates and describes *Superb Novelties* of unusual merit. Write to-day! A postal card will do, while it is sufficient to address simply

**Burpee, Philadelphia**

**W. ATLEE BURPEE & CO.**  
The World's Largest Mail-Order Seed Trade

**20 SEEDS FREE**  
20 BULBS FREE

**SEND US 25c.** to cover cost of packing and postage of beautiful flowers, our new catalogue, containing the most liberal offers ever made, and a CASH CHECK for 25c, giving you your money back.

**20 Packets Seed**

1 pkt. Double Balm	1 pkt. Carnation (Choice)
1 pkt. Poppy Jap. Pompan	1 pkt. Philox (Best Mixed)
1 pkt. French Honey Suckle	1 pkt. Chrysanthemum
1 pkt. Cigar Plant Novelty	1 pkt. Wallflower
1 pkt. Giant Daisy	1 pkt. Sweet Peas
1 pkt. Yellow Violet Rose	1 pkt. Zinnia Crested
1 pkt. Chinese Aster	1 pkt. Heliotrope (Hardy)
1 pkt. Jap. Morning Glory	1 pkt. Petunia (Fringed)
1 pkt. Virginia Creeper	
1 pkt. Fuchsia (Named)	

**20 Bulbs**

1 Red Calla, 1 Amaranthus, 1 Tuberosa, 2 Gladioli, 1 Hardy Lily, 1 Hardy Climber, 3 Geranium Flowered Bulbs, 10 Mixed Summer Flowering Bulbs.

**OUR GUARANTEE**—If after receiving this collection you are not satisfied, we will cheerfully return your money.

**J. ROSCOE FULLER & CO., Floral Park, N. Y.**

**Darken Your Gray Hair**

**OSARK HERB** restores gray, streaked or faded hair to its natural color, beauty and softness. Prevents the hair from falling out, promotes its growth, cures and prevents dandruff, and gives the hair a soft, glossy and healthy appearance. IT WILL NOT STAIN THE SCALP, is not sticky or dirty, contains no sugar of lead, nitrate silver, copperas, or poisons of any kind, but is composed of roots, herbs, barks and flowers.

**PACKAGE MAKES ONE PINT.** It will produce the most luxuriant tresses from dry, coarse and wiry hair, and bring back the color it originally was before it turned gray. Full size package sent by mail, postpaid, for 25 cents.

**OSARK HERB CO., Block 31, St. Louis, Mo.**



# YOUTH'S DEPARTMENT.

## A Petted Puppy.

I sat beside my niece so fair,  
A lady grave and sweet,  
Withal so wise that well I might  
Have sat me at her feet.  
She stooped to pat the puppy-dog  
That gambled at her knee;  
And when she spoke 'twas in a tongue  
Entirely strange to me:

"A wizzy wizzy woggums, then!  
A ditty ditty doggums, then!  
And ditty ditty wiggums, then!  
A pitty witty pussums pup!"

I rose as if to stroll away,  
But first a moment stood;  
I thought perhaps she'd bid me stay,  
And rather hoped she would.  
But no! she never raised her head.  
I turned the corner near,  
And as I went her silver tones  
Still floated to my ear:

"A toodle toodle toodle, then!  
A wisky wisky wooodle, then!  
A toopid mummy gone, my joy  
My ditty ditty doggums boy!"  
—Laura E. Richards in "St. Nicholas."

## HOW CAN A GIRL EARN MONEY

A little girl subscriber of Green's Fruit Grower twelve years old, and her brother, are living with their adopted father and mother. Her adopted parents have to work hard for the money they get and she asks for advice as to how she can earn a little money. It is possible for her to earn money in many ways which I cannot suggest. Possibly she has skill enough to dress dolls for some of the wealthy families in her neighborhood. She might plant a little piece of ground to strawberries but the plants would not bear much fruit the first year. If there were any chickens upon the place she might make a little money out of the eggs and the chickens sold in the market. She might learn to make a few kinds of candy and sell it to some of the families in the village near which she lives; almost everyone enjoys homemade candy. She might learn to crochet or make in other ways, pretty and useful articles, such as mats for the dining table, etc., which no doubt she could easily sell. A child so young cannot be expected to be skillful enough to earn much money. A little boy living near my place makes money by selling papers but a girl living in the country could not do this. My mother adopted a little girl six to eight years old when I was a young man. This girl had no father or mother living but she was very cheerful and did much to brighten my mother's home. She lived with my mother even after she was married and did much to make her life pleasant by nursing her in her old age and on her death-bed. I wish all adopted girls could be as faithful and helpful as was this little girl, adopted by my mother, for whom I have the highest respect. She now has a son of her own who is a young man engaged in a profitable enterprise. I have sympathy for all little people situated as this girl is. They have my best wishes. I trust this girl will try to make herself as helpful as possible to the people with whom she is living. This indeed will do more for her welfare than could possibly come from the making of a little money in some outside enterprise.—Editor Green's Fruit Grower.

## THE MERCHANT'S SYSTEM OF SAVING.

A young man, whose early youth had been spent in idleness and dissipation, once asked a Prosperous Merchant whom he chanced to meet:

"Will you tell me the secret of your success?"

"It is not a secret," said the Prosperous Merchant; "it is an open matter. I tell it to everyone, and every man with common sense can do as I did."

"And what did you do?" asked the Youth.

"I saved my money."

"Saved your money!" exclaimed the Youth, in great surprise. "Why, I've been trying to save money for years, and I haven't been able to get sufficient together to make a deposit."

"What do you mean by a decent deposit?" queried the Prosperous Merchant.

"Oh," the Youth answered, "something like forty, or fifty, or one hundred dollars."

"Great Scott!" said the Prosperous Merchant, with much astonishment and sudden wonderment, "it was a long time before I had that amount."

"Do you mean to tell me that you saved until you got it?"

"Yes, I had a home-made bank of my own, and I saved in that until I had enough to open a savings-bank account."

"How much was your first deposit?"

"One cent!"

The statement almost staggered the Youth. The Prosperous Merchant, smiling, said, "Listen, and I will tell you all about it."

Clearing his throat, he said:

"I began by resolving to double the amount I had saved. The first day I put away, in an old stocking, one cent. I doubled it and put away two cents the second day, four cents the third day, eight cents the fourth, sixteen cents the fifth day, thirty-two cents the sixth day, and sixty-four cents the seventh day. Then I was not able to make a deposit for a week, when I put away one dollar and twenty-eight cents. It took me two weeks more to save two dollars and fifty-six cents. I found that I would have to get a better job to go on doubling in that way, so I hustled around and was graduated from driving a wagon and given a position to sell goods in a grocery store. In three weeks, I was able to put away five dollars and twelve cents. Then I opened a bank account. At the end of another month, I had ten dollars and twenty-four cents to deposit, and in two months more I had twenty dollars and forty-eight cents. My employer raised my salary; but, even with that help, it took me six months to save another 'double,' amounting to forty dollars and ninety-six cents.

"After that, it would have been easier to deposit small amounts, but I stuck to my original purpose, and in another year I had eighty-one dollars and ninety-two cents to take to the bank. To double that sum took a lot of saving and sacrificing; but, when you start out to do a thing, don't give up! I worked harder and harder, and, in another year, I had my 'double,' one hundred and sixty-three dollars and eight-four cents. At that time I had three hundred and twenty-seven dollars and sixty-eight cents in the bank, and my next deposit would have to be just that sum, in order to let me keep on with my system. I had let my employer see that I was interested in his business, and he gave me a better position and a higher salary. It is a good idea to let your employer think that you consider his business as if it were your own. Well, to make a long story short, in eighteen months more I had three hundred and twenty-seven dollars and sixty-eight cents; two years later, I had saved six hundred and fifty-five dollars and thirty-six cents; and, in two years more, I made a deposit amounting to one thousand, three hundred and ten dollars and seventy-two cents. This gave me two thousand, six hundred and twenty-one dollars and forty-four cents in cash, with interest, and all saved inside of six years. Then I bought an interest in the store. That was my start in life. I had made up my mind to get enough to establish myself, and I accomplished my purpose as I have told you."

Moral—If you set yourself a proper task, even if it be a difficult one, you will find it half done as soon as it is well begun.—Success.

## A CHILD'S BANK ACCOUNT.

My grandmother died when the editor of Green's Fruit Grower was a small boy. In her will she left \$3 to each of her grandchildren. The \$3 bequeathed to me was used in opening a bank account. This was the beginning of my savings and the beginning of my financial career. Gradually I added to this deposit in the bank until the amount increased to \$400. One method of increasing this sum was in buying of a farmer a mother pig and her litter of little ones. These pigs I fed and fattened, selling them as winter approached. Another way of making money was in shooting muskrats, mink, coon and selling their skins. One day in September, as I grew older, I gathered together a herd of fifty cattle bought of neighboring farmers. These I sold to one man at one time, making a clear profit of \$200, which seemed a large addition to my bank account. About this time my father leased me the homestead farm. This was during the war of the Rebellion when prices of farm produce were high, therefore I made each year a net profit of over \$1,000.

I mention this to teach parents the importance of starting a bank account for their children early in their lives. I have three children, now men and women, and each one was encouraged to start a bank account as soon as the child was old enough to enter into the spirit of the transaction. Each child kept increasing the bank account from his little earnings or savings. When the children reached the age of 20 their little bank account had grown to \$300 to \$500. The fact that they have a bank account and that they see it increasing from interest added and from their savings and their little sacrifices, gives them the true business spirit and is an object lesson to them through life.

If we suit you, tell others. If not, tell us.

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Split Hickory Specials are designed on graceful lines, finished like pianos, and stand the strain of hard usage because they're built "on honor." Material and workmanship A 1 throughout. Never was more buggy value crowded into a \$50 price. In proof of our sincerity, there's our two-year guarantee, with good money back of it.

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Please mention Green's Fruit Grower.

## He Knows Good Trees.

J. G. Harrison & Sons, Washington, April 3, 1904.  
Dear Sirs:—The 1,000 Elberta June budded peach trees received yesterday. A better lot of trees I never saw. We were formerly in the nursery business and know good trees. We shall certainly be ordering from you next year.  
Yours truly,  
J. WALDEN.

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We offer to mail this book postpaid as a premium to every subscriber who sends 50 cents for Green's Fruit Grower one year and asks for this gift when sending the money. Address  
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Here's a simple method to reduce fat permanently. Harmless as water; any child can take it.

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why not reduce your weight a few pounds? Mrs. S. Mann, of LaMotte, Ia., writes: "6 years ago I took your treatment and in less than 3 months I LOST 70 LBS. in weight and have not gained an ounce since." Miss Grace Smith, of Linden, N. Y., writes: "Five years ago I took the Hall Treatment and was reduced 35 POUNDS in weight. The reduction is permanent, as I have not gained an ounce in weight since then." We will give \$100 IN GOLD to anyone who can prove that any of our testimonials are not genuine. DON'T do anything or take anything until you hear from us; we can tell you how to MAKE A SIMPLE REMEDY AT HOME to reduce your weight at a trifling cost. If anyone who will write to us at once, we will send full particulars and a box of the in plain sealed package. Correspondence strictly confidential. It costs you nothing to try it. Hall Chemical Co., Dept. 164, St. Louis, Mo.

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MANDOLIN, BANJO AND GUITAR

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Green's Fruit Grower offers to supply you with any one of these instruments at wholesale price. The above illustrations give a good idea of the three instruments, mandolin, banjo and guitar, which we offer. Each one is well and thoroughly made and it is guaranteed to be as represented, both as to tone and workmanship, by the manufacturers, with whom we have made arrangements to offer them as premiums on the following liberal terms.

**OUR OFFER**—We will mail you postpaid, Green's Fruit Grower for 2 years from this date, and will ship you by express your choice of the above instruments together with four weeks home instructions, illustrated, you to pay express charge, all, both instrument and subscription, for only \$2.50. If you have already subscribed for Green's Fruit Grower and wish to take advantage of this offer, we will extend your subscription 2 years further than that paid for. Be prompt, as this offer may be withdrawn.

Remember that you send us only \$2.50 for a mandolin, or a banjo or a guitar, your choice, and for 2 years subscription. Address—  
**Green's Fruit Grower, Rochester, N. Y.**



## GREEN'S FRUIT GROWER

A MONTHLY JOURNAL.

CHARLES A. GREEN, Editor and Publisher.  
Prof. H. E. VAN DEMAN, Associate Editor.

J. CLINTON PEET, Business Manager.

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ROCHESTER, N. Y., FEBRUARY, 1905.

## EDITORIAL

**X** This cross appearing here is intended to call your attention to the fact that this is the time when nearly all of the subscriptions to Green's Fruit Grower expire, and that we desire you to renew your subscription at once. Please find in this issue an order blank, which please fill out and send to us with registered letter, postal money order, postage stamps or coin. We have subscribers which have been entered for three, four or five years in advance and there are a few others which do not expire with this issue. None of these friends need be alarmed on reading this notice, since they are correctly entered on our books.

**Testing Soil.**—The subscribers of Green's Fruit Grower often ask if the experiment stations will test soil free of charge. Knowing that it requires considerable time to analyze the soil I have hesitated about replying in the affirmative, but I am told now that the New York Experiment Station will test the soil free of charge if sample is sent the station. Those who live in other states should send to their own state experiment station.

**All Crazy.**—A noted physician claims that in seven hundred years all civilized men will be insane. His idea is that man is not living a natural life, that he is working his body and brain excessively, that he is stimulating himself with drink, tobacco and drugs, and with the mad rush of age, will develop universal insanity. Whether this man is correct in his opinion or not it is well for us to pause and consider whether we are living natural lives. If we are getting but little enjoyment out of life, if our bodily or mental vigor is impaired we have a right to suspect that we are not living natural lives.

**The farmer's boy and success.**—Many of the largest institutions of the large cities of this country were organized by country boys. Many of the leading men of our largest cities were brought up on farms. It is conceded that the young man brought up as a farmer boy has better opportunity for success in the world at large than boys brought up in the city. The reasons for this are plain. The farmer's boy is apt to have a rugged constitution. He has been compelled to practice economy in his expenditures. He has not been idle but has learned to do many useful things, and has learned to apply himself with diligence. He has learned the value of money as few city boys have learned. If I had a dozen boys I would prefer that all of them should be brought up on a farm and kept there until they could form some idea of what their natural inclination might be.

**Work Saved by Machinery.**—There are a few who appreciate what machinery has done to reduce the expense of producing farm crops and yet machinery has not done so much for farmers as it has for manufacturers. To produce 100 bushels of barley it used to require 212 hours of labor whereas now it requires only 9 hours. To produce 160 bushels of oats it formerly took 296 hours but by machinery it can be done in 23-1-2 hours. In manufacturing in old times it required 200 hours to load 100 tons of iron whereas now by machinery it requires only 3 hours. Where formerly it required 4 weeks to transfer 200 tons of coal the work is now done in 20 hours. Seventy years ago 200 hours

were required to make 50 pitchforks which are now made by machinery in 13 hours. It used to require 243 hours to dress 160 square feet of granite, but machinery does the same work now in 19 hours.

The Czar of Russia suggested to the Peace Congress of the Hague that war should be discontinued, and yet he is engaged in the bloodiest war in all history. It is made to appear that the Czar is in fact a very kind and tender hearted man, but that he is surrounded by some hard hearted, cold blooded and austere noblemen who compel the Czar to go to war when he does not desire to do so. This reminds me of one of Dickens' famous stories in which a lawyer pretends to be exceedingly benevolent and willing to do kind and generous acts, but during his entire lifetime he apologized for his inability to do these acts of kindness owing to the severity and dictatorial character of his partner, who was in fact a most obstinate and cantankerous character. But it was subsequently discovered that this pretending kind hearted lawyer had no partner, and that he was himself mean and stingy. He simply used his supposed partner as a cloak to cover up his meanness.

**Too Big a Bite.**—The old saying "Do not bite off more than you can chew" is homely but expressive. There are fruit growers who take too big a bite. They are inclined to put all their eggs in one nest. My experience in growing fruits leads me to plant various kinds of both large and small fruits rather than to devote myself exclusively to the apple, peach, pear, plum, quince or grape. And yet there are localities where grapes thrive to such a remarkable degree as to lead one with wisdom to plant entirely grapes. But in most instances I advise the planting of a general assortment. Possibly one year the grapes or some other one specialty may, for one reason or another, yield a full crop. If all of your plantation was devoted to one variety you might that year receive scarcely any revenue.

**Rice as Food.**—The American people do not make enough use of rice as food. The Chinese, Japanese and other oriental nations live almost entirely on rice. It is healthful, palatable and remarkably nourishing. Every family would be in much better health if the housewife instead of preparing so many pies would more frequently offer tempting rice puddings. A cold pie is not usually desired but the cold rice pudding is as desirable often as when first made. Rice puddings are inexpensive and easily prepared.

**One Day's Work.**—Much can be accomplished in one day. The man who has lived 60 years has lived 21,915 days. Surely such a man should have accomplished something as the result of all these days work. If a man has lived 60 or 60 years with fairly good health and has not accomplished some practical results there is reason for that man and for his friends to decide that his life has been a failure.

**Magic Fire.**—Looking out of my study window this morning I saw a bright fire burning in a bush outside my room twelve feet distant. Although the flames could be seen as plainly as the flame of any fire, and they were leaping high, not a leaf of the bush was scorched. I could have cried "fire cease burning," and this fire in the bush would have stopped. Then I could have cried "fire burn in the bush again," and it would have burned there. This seems to be a startling statement but in reality there is nothing strange about it and there is no miracle. A fire was burning in my own grate. I was looking through a plate glass window through which the flame on the cloudy morning was brightly reflected on a bush in my front yard. But how easily a magician or trickster might deceive a large audience by having a similar grate fire burning behind the scenes of a theater arranged so that this fire, which was not visible to the audience, could be reflected upon a bush on the stage so that it could not be distinguished by the most critical from actual fire and flame. He could order this flame extinguished and the curtain drawn before the fireplace would cause the fire to disappear. He could put his hand into the flame without being burned. Here is something new in the way of magic.

**He Must Work.**—A young man said to me yesterday rather dolefully, "I am one of those who must work." "Why," I replied, "so must I work. Every man, woman and child living must work. No one can live long without working, no one can be healthy without working." The

young man spoke as though he thought I did not work, but I am a hard worked man, working to the limit of my strength physically and mentally. It is a mistake to suppose that people worth millions of dollars do not work, and also a mistake to suppose that fashionable ladies in great cities do not work. This is a busy world. Many people think that ministers, doctors and lawyers do not work very hard, but the fact is those men do as much work as the average farmer or fruit grower, and their work is more distressing since they are compelled to do a large portion of it in closed houses where the air has lost its vitality. Sometimes elderly men give up active work. This is a mistake. Such men do not live long. This teaches us that no one can live long and be idle.

**Tree Surgeons.**—Men who are capable of removing a leg or arm from a human being are called surgeons, but there are few people who think that skilled men or surgeons are necessary in pruning orchard trees. For this reason many orchards are seriously injured and many are absolutely ruined by the work of unskillful men in removing branches that should have remained, and in leaving those that should have been removed. Green's Fruit Grower wishes to encourage tree surgeons, if such they may be called, that is skillful men who know how to prune trees, and who can spend several months of the year in this useful occupation in the neighborhood where they live. A man who can skillfully prune trees, one who knows the peculiarities of the various kinds of fruit trees, who knows that cherry and plum trees will not endure as severe cutting as apple and pear trees, one who has had considerable experience, should be able to command double the wages of a bungler in the locality where he lives, as a tree surgeon. I suggest that enterprising young men serve an apprenticeship with successful fruit growers or at an experiment station, or agricultural college, where they can learn how trees should be pruned, and where they can secure a certificate testifying that they have served an apprenticeship and that they are skilled in this particular kind of work. I see no reason why men so taught should not be able to earn \$5.00 a day pruning trees.

**How Will Fruit Canning Houses Help Fruit Growers?**—Mr. F. A. Smith, of Pennsylvania, asks Green's Fruit Grower to start up a discussion among its subscribers in regard to canning factories and what they can do for the community in which they are located. This is an interesting question and I ask my readers who are living in towns where canning factories are located to give briefly their experience as regards the encouragement such factories give to fruit and vegetable growers, and others.

A canning factory was started four years ago in Rush, N. Y., a village twelve miles south of Rochester, where I was born and spent the early years of my life. Farmers in that locality subscribed money for stock issued to pay for the machinery and buildings, and to start a canning enterprise there. At first it was difficult to get the right men to manage the factory. In fact, the directors and all had much to learn about the important business of canning fruits and vegetables. This factory has not yet made much money further than to pay expenses. The outlook is now promising, and I do not doubt that if the stock holders have pluck enough to continue the enterprise will be profitable.

This canning factory, and all successful canning factories, must of necessity be a great help to any village, and must be particularly helpful to fruit growers and farmers in that locality not only, but to all local enterprises. Such a canning factory induces many farmers to devote lands to garden crops and to various kinds of small fruits which they would not otherwise undertake thus to cultivate.

At Rochester, N. Y., we have one of the largest canning factories in the world, The Curtice Brothers. This factory requires large capital, probably a million dollars or more. It has been in successful operation for twenty years or longer. Its stock is in demand and is selling at far more than its cost, and pays large dividends. Therefore, under good management there is no doubt that the canning business is profitable, but like every line of business men must serve an apprenticeship in order to learn not only how to can the fruit successfully, but how to market it to the best advantage. I hope that the readers of Green's Fruit Grower who have had experience along this line will give our readers the benefit of their experience.

**Failures Late in Life.**—A friend has just called who knows many of my old associates and schoolmates. In telling about their experiences late in life he

mentioned a number of people who succeeded in laying by a competency but who, after the age of fifty or sixty years, became involved in debt so that they were greatly distressed in their old age. Is it not strange that men who have enough ability to make property cannot keep it? I have myself learned that it is easier to make money than to invest it safely. The lesson taught by the experience of my friends who have lost largely in the latter years of their life is that only the best investments should be sought as the years go by. Mortgages that it might be safe for a young man to place upon his farm when in full vigor of life might not be safe for a man to place upon his farm when he is fifty or sixty years old. We should all plan to make the latter part of our lives peaceful. We do not need a large amount of money, but that which we do need we need very much and should plan well for its safety. Many fathers and mothers lose large sums of money helping their sons, some in business troubles, others dissipated, yet this help is only temporary. The money is soon gone through mismanagement or waste. I know of a mother who gave at odd times her whole estate to help her sons—now mother, sons and all are poverty stricken.

**Why Not All Fruits.**—A friend asks why I do not devote Green's Fruit Grower exclusively to fruits.

**Reply.**—Dear Sir: In reply I will say that I have before been requested by subscribers to devote every part of Green's Fruit Grower strictly to fruit growing. I have given this matter very careful thought. It seems to me that in a certain sense every ruralist is a fruit grower, for every one of them has a little fruit growing upon his place. On the other hand there are comparatively few professional fruit growers in this country, not enough to make any publication very prosperous considering the number of them who would subscribe. The professional fruit growers keep themselves posted in other ways than through horticultural journals. They are able themselves to instruct editors.

The great object of Green's Fruit Grower is to instruct the rising generation and many older people in the interesting and profitable pursuit of horticulture. We could not possibly interest young people nor the small fruit grower in a paper made up simply of dry details on spraying, insecticides, damage done by insects and other features that were an appeal strictly to the professional orchardist. Journals devoted strictly to the orchardist do not interest me, and as far as I can see cannot be expected to interest a very large number of people.

**Nut Trees by the Roadside.**—I met my friend, Mr. E. T. Marsh, upon the streets of Rochester lately, when he said that he opposed the plan to plant nut trees along the improved highways leading out of Rochester into the beautiful country east, west, north and south. He said that nut trees were possessed of great beauty, particularly a chestnut and the oak, but he did not think that farmers would secure much revenue from the nuts grown upon the trees along the roadsides since the nuts would be carried off by thieves. He said that he once owned a beautiful farm a mile or two out of Rochester, on which were numerous chestnut trees. These trees were continually visited by thieves. The depredators did not consider themselves thieves. They were, in fact, many of them, prominent citizens of Rochester. They seemed to think that nuts were not private property, but that they could be taken up by whoever desired them. One day Mr. Marsh saw a team hitched by the roadside and a number of men with baskets marching off toward his chestnut grove. As immediate precaution he drove the team into the barn and locked the door. Then he proceeded toward the chestnut trees. He found the men had climbed the trees and were threshing off the nuts. He expostulated with them and ordered them to leave. They boldly declined. They said they were after nuts and they were going to get them. The public at large have but little respect for private ownership in fruit of any kind, but particularly in those delicious fruits known as nuts.

A heart to heart talk with employees is like oil on a machine, while a calling down is like putting sand in the gear wheels.

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## Reform in the Work of Farmers' Wives.

By the Editor of Green's Fruit Grower.

There is something wrong with the work of the farmers' wives and with that of most people who work in kitchens. I hope to specify how such work may be made easier.

Let me specify how work is laid out by thorough going business men. Supposing such a man desires to build a house, a hotel or a large factory building. The first thing this man does, if he is wise, is to make plans or to have plans made by skillful men known as architects. Every piece of timber, every brick, every window, every door, chimney or partition is plainly shown in this plan before a shovelful of earth is moved or a stick of timber raised for this new building. Does the farmer's wife plan her work in any such way, or in any way? I fear in some instances that she does not plan her work at all, and that one reason why her work does not proceed faster, and why it draws the vitality out of her life is a lack of planning from the start.

I say this with some hesitancy since I sympathize with the farmer's wife and realize that in many instances she is required to do more work than she should do or can do and retain her cheerfulness and good health. Well laid plans will accomplish marvelous things in any enterprise. Housekeeping is so different from other kinds of business, and housekeeping is a business, it is difficult to make plans and yet plans are necessary. When I speak of plans I mean that more thought should be given by the housekeeper to the work in hand each day, and that more system should be introduced into this work, whether she does it herself or employs servants to do it for her.

The first plan that I would suggest to the housekeeper is that she should attempt to get more help from her husband, her sons, her daughters and from the hired men about the place. Most kitchens are poorly planned and are deficient in many helpful devices. Surely the wife should have enough influence over her husband to induce him to make the kitchen what it should be, and to supply it with everything needed to make the work there as easy as possible. But she will have to use some tact to get her husband to make these changes. How many wives there are who are compelled to lift pails or boilers of water daily from the floor to the top of the cooking stove. How many wives are compelled to carry water a long distance every day, and particularly on washing day, and who must lift heavy wash tubs partly filled with water. In cities all this is avoided, for they have stationary wash tubs, with faucets at the top which admit hot and cold water, and escape valves at the bottoms of the tubs which allow the water to pass away so that no water has to be lifted in doing a large washing. A pail of water is too great a lift for most women. If there is water to draw or wood to bring get the boys to do it and see that they do not forget it.

Plan to have one of the boys build the fire each morning in the kitchen stove, and to have wood and water at hand ready for you when you reach the kitchen. Plan to save yourself strength in running up and down stairs. I tell my wife that she runs up and down stairs more than twice the number of times necessary. She does not attempt to save her strength in running up and down stairs, and does not realize that she is expending vitality in thus moving her

## Nothing Better—Because it is Best of All.

For over sixty years Mrs. Winslow's Soothing Syrup has been used by mothers for their children while teething. Are you disturbed at night and broken of your rest by a sick child suffering and crying with pain of Cutting Teeth? If so send at once and get a bottle of "Mrs. Winslow's Soothing Syrup" for children Teething. Its value is incalculable. It will relieve the poor little sufferer immediately. Depend upon it, mothers, there is no mistake about it. It cures diarrhoea, regulates the Stomach and Bowels, cures Wind Colic, softens the Gums, reduces Inflammation, and gives tone and energy to the whole system. "Mrs. Winslow's Soothing Syrup" for children teething is pleasant to the taste, and is the prescription of one of the oldest and best female physicians and nurses in the United States, and is for sale by all druggists throughout the world. Price, twenty-five cents a bottle. Be sure and ask for "Mrs. Winslow's Soothing Syrup." 1840-1904.

body up and down the distance of 12 or 15 feet so many times each day.

When you are well supplied with fresh fruits, as every farmer's family should be, instead of making pies and cakes let tempting fruits form the dessert at the dinner hour; a nice dish of grapes, peaches, strawberries or something of that kind will take the place of the pies and puddings, and see how much work can be thus saved. Plan what to do when interrupted at your work. Interruptions are serious. When one feels that certain work must be accomplished within a limited time interruptions such as calls from gossipers tend to make one nervous and fretful. The best plan is to plainly yet kindly tell the visitor that you trust she will excuse you, that you have work on hand that must be done. If the caller is a reasonable person she will take no offense. If some one rings your front door-bell when you are very busy send some one to the door and notify the caller that you are engaged and cannot be seen at that hour.

I have mentioned but a few of the plans that might be made to make the work of the farmer's wife easier. Many will suggest themselves to the reader.

## A Needle and a Spool of Thread.—What They Did.

Written for Green's Fruit Grower by Virginia Gerard.

Some months ago there died in the city of Chicago a wealthy man, the founder and owner of a big transportation company. In the pocket of the coat he wore daily, were found a needle and a spool of thread carefully wrapped up. These had been given to him in 1834 by his mother.

He was then a poor boy, leaving the farm and starting out for himself without a dollar to call his own. All his mother could give him was this needle and thread which he cherished so carefully all these years. She gave them to him with the parting injunction: "Use these! Be neat!"

This boy remembered his mother's advice and tried to follow it not only in his personal attire but also in his work. He tried to be neat about himself and everything he laid hands on. His employers saw this. They noticed that he always tried to arrange things so as to make them look attractive. They sold more goods. It pleased them. He was promoted. He grew to be more and more careful as he went along. His employers marveled at him and his work. Everything he touched was orderly. Such a boy they had never seen! He was again promoted. He rose from one place to another. While careful about his personal appearance, he was far from extravagant. He saved his money and invested it from time to time. Then he started up a transportation company on a small scale. Attention to business and neatness greatly increased his trade. He enlarged his business until at his death it was one of the largest of its kind in Chicago.

There is something about a neat person that attracts one instantly. It appeals to the eye and gives pleasure to the beholder.

How attractive a neat person is—every button on—not a stitch missing anywhere—everything as it should be! And the work such a person does usually shows an impress of this quality.

Neatness is a quality that not only attracts, it pays also. No matter in what station of life you may be, no matter how important or how insignificant your work may be—it will pay you to be neat about it. You can dignify your work thus—and make it not laborious and unpleasant, but the source of great pleasure.

Care of the Piano.—Almost every one has a piano but there are few who know how to care for the instrument. It should not be placed near a stove or register. It should be kept in a room where temperature is neither extremely hot nor cold and where the temperature does not change rapidly. It should not be placed in a damp room. It should be kept in tune. A piano needs tuning three or four times a year. Moths do great injury to pianos by consuming the felt used on the hammers and other parts of the keyboard. Housekeepers know how difficult it is to keep moths out of their woollen clothing but how seldom they think about the moth consuming the felt used in the piano. Dust accumulates in the instrument and injures it. The keys turn yellow if the piano is kept closed all the time. Do not crowd the piano back against the wall but leave a few inches space between the wall and piano. A light spray of turpentine on the felt twice a year will keep out moths.

"What was the baby crying about just now? Did he want the moon?"  
"No; Willie was trying to make him laugh with a glove stretcher."

## From Mary Patton Hudson.

Written for Green's Fruit Grower.

Be original. Improve upon the methods of others; do not servilely imitate. The latter is a common fault with housewives, especially those in the country who imagine that there are no new means of entertaining in an economical way. This is a mistake, as will be easily seen. The following ideas for a luncheon may not appeal to all and yet may be a help to many. The aims of city women are always in the line of individuality.

The same ingredients, remember, are used alike by city and country folk. The former try to evolve ideas that will be copied. When undertaking to entertain do not try to serve too many courses. This is now considered bad form.

Bear in mind that the manner of serving yields fully half the honor of the success.

Place the table cloth over the table pad, and, by means of a warm iron and a damp napkin smooth out every fold. Arrange the center ornament before anything else. A unique style may thus be described. Nearly fill a large meat dish with sand. Dampen it a little and cover with green wood moss. Arrange bright flowers in this, the larger in the middle, finishing with small ferns, or any green leaves to imitate a fernery. Place underneath the dish a piece of white oil cloth, to protect the table cloth, and over this a white center piece. Be careful not to make too wet or the leaves will drip and spoil the cloth. This is a good and fashionable menu:

Bouillon (any clear soup); fish balls, with small squares of toasted bread, buttered; homemade wine or sweet cider; celery salad with sandwiches made of nuts (hickories are excellent); sweet potatoes and small turnips, balled whole and well buttered; ice cream and cake, or snow gelatine with whipped cream, and cake; peppermint creams; salted almonds; coffee.

## DON'T TELL.

Don't tell any one your children's faults, even to their relatives. If you need advice get it privately. Mortifying children creates bitterness in their untrained hearts and estranges them from you.

Don't tell your own age or ask for figures concerning others.

Don't tell your neighbor that you disapprove of his or her ideas. By so doing you will find how soon you will be forgotten by them.

Do not tell that your children cannot be induced to read, for this is largely your own fault. Educate their tastes in reading by your own interest in books. Read to them only such books as they like, regardless of your own tastes in the matter. If a boy likes to devour tales of the Wild West do not disapprove. Any reading, if not actually baneful, is better than none. You will find that, as children grow older, their tastes in literature will change for the better. If one child likes a certain kind of reading do not compel another to listen to it, but give all an equal chance.

Do not tell your friends that your children eat so few things, for this is due to yourself, evincing your poor capacity for training. Well-bred people are taught to eat everything that is good food.

Do not tell people that your family do not like salad oil, for this shows unfamiliarity with fine service in this line.

Don't tell your neighbor, "I'll be over to spend an evening next week." Name the day and, barring serious difficulties, keep the engagement.

Don't boast to your less fortunate neighbor in this line how many social invitations you have. Treat as you would be treated.

Don't tell your friend who has an intemperate husband how sober and excellent your own. Do not tell anyone, in short, anything you would rather not hear yourself.

Baked Cranberry Pudding—Place a quart of berries in an earthen baking dish. Add two cupfuls of sugar. Cover with a light crust. Bake in a moderate oven one-half hour. Serve with hard sauce.

Cranberry Roly-Poly—Roll a light and rather stiff biscuit dough rather thin. Spread with a good hard sauce. Roll up and steam for twenty minutes or a half an hour. This may be baked in a quick oven and with sweetened cream makes an excellent dessert.

Cranberry Dumplings—May be made in the same way. Cutting squares of dough, putting on each a spoonful of thickened sauce, bringing the corners of the dough together at the top to hold the sauce. These are equally good whether steamed or baked.

Modesty is a great ornament, but sometimes it is more ornamental than useful.

## What Constitutes a Home?

Editor Green's Fruit Grower: Is John Ruskin right when he says "nothing is truly beautiful only as it is useful?" How much of the beautiful do we work into our homes if he is correct, since there is so much that is useful about them and so little that is useless.

The non-essential is one of the curses of this age. Those who are content to live simple lives are far happier. Think of the fretfulness, envy and petty misery caused by striving for unnecessary things. And yet how many times we have been told that riches do not consist in the abundance of possessions. City life has shriveled people physically and mentally. City people are growing shortsighted, thin blooded, narrow chested, dyspeptic, nervous. He who lives nearest to the soil has every advantage over his city brother. Those who confine their eyes to the ledger, to the store house of goods, or to the counting of money, scarcely realize the pleasures of out door life, and have partially lost the capacity for enjoying the beauties of nature which God has placed so bountifully around them. During the last twenty years a silent revolution has been going on in the minds of men and in their hearts in favor of country life. The march is moving from the city to the country. Writers like Burroughs, Seton Thompson, Bolles, Van Dyke, Skinner and Roberts are waking up the people so that they may appreciate God's beautiful country.—Irene Peters, Mass.

Peanut Salad.—Soak one cupful of nutmeats in olive oil, drain and mix with two cups of cut celery and a dozen ripe or green olives, pitted and minced. Mix with mayonnaise and serve on lettuce. This is particularly good to serve with duck or game.

California Graham Muffins.—Sift together one cup of graham flour, half a cup of white flour, two tablespoonfuls of sugar, a saltspoonful of salt and two tablespoonfuls of baking powder. Beat one egg to a froth, add to it a cup of milk and beat the flour. Bake as usual.

Hominy Muffins.—Mix a cup of warm boiled hominy cooked to the proper consistency for the breakfast table with a tablespoonful of melted butter, a saltspoonful of salt and a cup of milk. Add this mixture gradually to a cup and a half of flour in which has been sifted a teaspoonful and a half of baking powder. In case this does not seem quite stiff enough add a little more flour. Lastly, add two well-beaten eggs and bake in the heated muffin pans.

Rice Muffins.—Dilute two cupfuls of cold boiled rice with half a pint of warm milk, stirring until free from lumps. Add a tablespoonful of melted butter and the beaten yolks of three eggs. Sift together one pint of flour, one tablespoonful of sugar, half a teaspoonful of salt, and a teaspoonful and a half of baking powder. Add to the rice and milk and beat until a smooth, firm batter results. Have the muffin pans hissing hot.

Here's a recipe for making a coffee fruit cake. Its excellence is vouched for by a good cook. Beat to a cream two eggs, half a cup of butter and one cupful of sugar. When these ingredients are properly mingled add half a cup of New Orleans molasses, stirring it in well. Next add one teaspoonful each of powdered cinnamon, mace and cloves. Stir them well through the mixture; dissolve a teaspoonful of baking soda in a half a cup of cold coffee and stir it in; then chop rather coarsely a cupful of seeded raisins; dust them well with flour; sift two cupfuls of flour in a bowl and stir it in a little at a time, sprinkling the raisins in, and stirring them in a few at a time, as you stir in the flour; line two medium-sized cake tins with well-buttered tissue paper and put half the cake batter in each tin; bake in a slow oven till a broom splint may be thrust into the cake without dough sticking to it.

Lemons for feverish thirst in sickness, for biliousness, low fevers, rheumatism, coughs, colds, liver complaint, etc.

Blackberries as a tonic. Useful in all forms of diarrhoea.

Tomatoes are a powerful aperient for the liver, a sovereign remedy for dyspepsia and indigestion. Tomatoes are invaluable in all conditions of the system in which the use of calomel is indicated.

Figs are aperient and wholesome. They are said to be valuable as food for those suffering from cancer; they are used externally as well as internally.

I have been taking Green's Fruit Grower a long time and to my notion it is far ahead of any other rural magazine, and I am taking a large number of farm and horticultural journals.—M. E. Beard.



## EDITORIAL COMMENT.

## THE BEST SERMON.

Perhaps the best sermon that has been preached of late is that preached by the life of the young woman known as Nan Patterson. The Bible says "The way of the transgressor is hard." But if this saying had been repeated to Nan Patterson a year or two ago she would have laughed with scorn and would have said: "Am I not happy? Who is enjoying life so well as I am? Have I not accumulated wealth bestowed by this lover? Who is so free from care, who so jolly, who so gay?" If Nan Patterson had a conscience, if she had been a girl of principle, she would not have been so gay or happy. She would have thought of the wife of the man who provided her with money so lavishly. She would have thought of the home she was breaking up, but she thought only of herself and of her own selfish interests. But the end came at last. Her lover was shot as he and Nan Patterson were riding through the streets of New York city. Then Nan Patterson was arrested for the murder of her lover and was confined long months in jail awaiting her trial. Then she was compelled to appear before the judge, the jury and the court room full of curiosity seekers, and tell there the story of her sins. How true are the words of the Bible, "The way of the transgressor is hard."

## TWO CHRISTMASSES.

I saw a sad faced man as I was passing through the streets of a busy city. Knowing him well I cried out "Merry Christmas!" The sad faced man joined me in my walk, and said, "There are no more merry Christmases for me." I had a happy home, a loved wife and children. My wants seemed to be supplied, I seemed to need nothing to complete my happiness. My business was prosperous, I had friends everywhere. But last Christmas my wife died. I have been occupied for several months in preparing a design for a monument and planning for its erection over her grave. No matter how many Christmases I may live to see Christmas for me must ever be a season of sadness."

My pastor tells of a little girl who came cautiously into the study of her father and gently interrupting him at his work asked if he would go down town with her to show her the Christmas things in the shop windows.

"Oh! My child I am too busy. You cannot understand, but I have important work that must be done, go to your mother." In a little while the child again cautiously opened the study door and coming toward her father said, "Mamma cannot go. Will you go with me to see the Christmas things in the shop windows?"

The busy man left his important work, donned his overcoat, prepared his little girl for the street and soon they were peering in at the shop windows at the beautiful Christmas things. Soon after the little girl died and on every succeeding Christmas this loving father wandered about the shop windows where Christmas things were on exhibition. He seemed to be alone, but the spirit of his lost child was keeping him company.

## COLD STORAGE HOUSES FOR FRUIT

A friend who has large experience in constructing cold storage houses with approved appliances, and who does not rely entirely upon ice, has found by experience that he can construct and equip a house of this kind large enough to store 100 barrels of apples for from \$300 to \$400. He asks my opinion of storage houses of that size, equipped with the best modern facilities.

My reply is that I do not think a cold storage house with capacity for only 100 barrels would be large enough, as most men building a storage house would want it large enough to hold 500 or 1000 barrels. During the last three years I have had experience in keeping apples in a building 100 feet square, 16 feet high, with flat roof, all above ground, made for the storage of trees, plants and vines during winter. Frost enters this building to a slight extent during the most severe weeks of winter. In a small room partitioned off in this large building, and made a little more frost proof than the main building, I find that apples keep perfectly. We scarcely ever find an attacked specimen. I have also had experience with the large cold storage houses of Rochester, N. Y., that are not surpassed by any in the country, where the temperature is kept at a certain point every day, and my experience is that our apples keep quite as well in our own storage plant as above described as in the very expensive system employed in our largest cold storage houses where apples are stored by the hundred car loads. My opinion is that cellars

have been relied upon by fruit growers and farmers for the storage of apples and that cellars do not give such good results as buildings entirely above ground. These apples as stored in our own building have been in tight boxes or barrels where they would not freeze even though a little frost was in the room. No particular attention or ventilation has been given. The fruit is simply kept in a very cool room not disturbed much during winter by the opening of doors or windows. I have not thought that small fruit growers and farmers would be induced in large numbers to erect small cold storage houses requiring ice and modern devices. Such small storage houses would require about the same attention as those that would store many thousand barrels.

## GROW BETTER VARIETIES.

The temptation for fruit growers has long been to plant varieties of apples, pears, grapes, and other fruits that are lacking in quality, though beautiful to look upon, and remarkable for productiveness. Most fruit growers have found it difficult to break away from the temptation to plant inferior varieties, arguing that the people who buy fruit know little of varieties and buy only that which presents a fine appearance. It is plain that this is a mistake. The presence in the market of inferior fruit which presents a fine appearance can never lead to a larger consumption of fruit, but must discourage people from eating it. The man who buys an apple, pear or stem of grapes, and who finds on testing the quality that it is inferior, is discouraged from buying more. But the man who buys an apple, pear or cluster of grapes of superior quality is sure to desire more and in larger quantities. It is true that the average man who buys fruit is not well informed in regard to varieties, but this average man can tell whether the fruit he buys is eatable. There are enough people in the country who enjoy fruit of high quality to make a demand for such fruit if it is properly advertised and properly packed. Would not this be a tempting advertisement? "For sale. Carefully graded Hubbardston, Banana, Spy, Swaar and Grimes apples."

Would not any person thus advertising a supply of these choice varieties be likely to get numerous orders from people who could appreciate good quality? Or how would an advertisement like this attract? "For sale: 10 and 20 pound boxes of Anjou, Winter Nellis and Josephine pears. This fruit is carefully selected, each specimen wrapped in paper, and all have been preserved in cold storage for the holiday trade."

Gets a living from a town lot.—It is surprising how much can be done on a small piece of ground. Many of the readers of Green's Fruit Grower are despondent because they are not able to buy more land. Their idea is that they cannot farm it profitably unless they have several hundred acres, but The World's Work tells of the success of a man who had only one acre on which he grew strawberries and celery. One-fourth of the acre was devoted to strawberries, one-fourth acre to celery, one-fourth acre being devoted to general garden vegetables. No help was hired, this man doing all of the work. The soil was not rich at first but he made it so by applying stable manure. He planted 8000 strawberry plants on one-quarter acre, all being potted plants set out June 25th, leaving his land free for other crops up to that time. Report is continued as follows:

## LUTHER BURBANK'S \$100,000.

Luther Burbank of California, known far and wide as the wizard of horticulture, the man who has done more to improve the varieties of fruits, flowers and vegetables than any other man who has ever lived, has recently received a gift of \$100,000. This large sum of money has been given as an acknowledgment of his services to mankind. I have never heard of a similar instance where an experimenter in horticultural lines has ever been similarly rewarded. The justice of this gift is apparent. Luther Burbank has not been working for money and has not made much money through his experiments. Indeed he has been limited in resources. This large sum of money will enable him to accomplish more during the next few years than otherwise would have been possible. The time has passed when the originator or introducer of a new fruit or a new vegetable can make much money out of such new fruit, no matter how valuable it may be. But the time will never pass when valuable new fruits, flowers or vegetables will not benefit mankind.

Never be afraid to doubt. If only you have the disposition to believe. And doubt, in order that you may end in believing the truth.—Leighton.

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Catalogue you will receive THE MOST ASTONISHINGLY LIBERAL Sewing Machine offer ever heard of, a new and marvelous proposition. How others can offer sewing machines at \$5.00 to \$8.00 and why we can sell at much lower prices than all others will be fully explained. We will explain why we can ship your machine the day we receive your order, how we make the freight charges so very low (next to nothing). YOU WILL GET OUR FREE TRIAL OFFER, SAFE AND PROMPT DELIVERY

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## Apples of the Long Ago.

Written for Green's Fruit Grower by George E. Herrick.

We talk of baldwins, pippins, and spies, And their color and flavor extol, And of others with loud names laud to the skies, Which gladden our hearts in the fall. But the kind we remember in days long gone by, Which scenes of our boyhood recall, Were the best, for tasting again I sigh, Those we shook from the trees large and small.

They were gathered and stored in the cellar or pit For spring, sorting out hard ones to keep. In the kitchen a panful of soft ones would sit, And be empty when time came to sleep. Then as winter advanced, from the earth-covered pit Some were taken their flavor to test, To find time had wrought changes each palate to fit, And those poorest in fall were then best.

## Beauty of Orchards.

And not only do the distant views of Mount Washington command attention and admiration, but the apple trees in the orchards near at hand are veritable things of beauty, looking indeed like huge and symmetrical bouquets. So abundantly laden with fruit are they that many branches bend to the ground, and in numerous instances the weight of the apples has torn the boughs from the trees. And not only are the apples abundant, but of unusual size and rare perfection. Quantities of good fruit are seen lying on the ground on every hand. At one point the country road is literally covered with Porters from an overhanging tree, fair, yellow Porters, save where they have been crushed by the

tenor of their way as if hurry and rush were unknown to them, are of the bone and sinew of New England, a saving remnant of the salt of the earth that has not lost its savor.

## A Good Suggestion.

Professor Van Deman's suggestion in the last issue of Green's Fruit Grower was a good one. He said that it seemed a pity that his neighbors and friends should not receive some benefit from the large number of farm and horticultural papers which he receives at his home. He has made it his practice to give away or loan out his papers to his neighbors, friends and acquaintances, and urges others to do likewise. His thought is that it is selfish and wasteful for one family to enjoy so much good reading and then place it in the attic or storeroom where it can do others no good. This thought has presented itself to the editor of Green's Fruit Grower, who has for years packed up valuable publications, which he has read, and has sent them to the penitentiary and the poor house of the city of Rochester. These institutions are each winter crowded with people who have no way of passing away the time. In the penitentiary the inmates are not allowed to converse with one another, therefore they must sit listlessly day after day doing nothing, since they are deprived of work. Consider how these people long for something to read. There are many poor families in every locality, and others well-to-do who have but little reading matter in the home. Send them copies of Green's Fruit Grower and ask them to return them in good condition.



Boys and apples work well together, providing the apples are well ripened. The two boys shown in the above photograph are having a good time under a well-laden apple tree at Green's fruit farm.

hoofs and wheels of infrequent conveyances. In many cases, especially when it is natural fruit, the apples cluster so closely about the twigs that one cannot see the stems of the green leaves in their midst. Many excellent varieties of apples are raised; the standard winter apples, Baldwin, Russet and Blue Pearmain; the Strawberry apple, which must be seen and tasted to be appreciated, having a strawberry-tinted skin and a white pulp of such piquancy and delicacy of texture as almost to melt in one's mouth; the golden Porters, which have transmuted the sunshine and mountain streams into their delectable juices; the handsome Gravensteins of which it would be impossible to speak in terms of greater praise than to say they are as good as they look; the Snow apple, with skin of darkest red and pulp of snowy whiteness; the great, streaked exquisitely flavored Northern Spy; the Nodhead, with its orange-tinted pulp, and many another.

Do you pick up a fair apple lying by the roadside, the proprietor appears on the scene, not to suspiciously watch your proceedings, but to shake the tree that you may have a better and fresher specimen, and then, most likely, invites you into his domain, and treats you to Strawberry apples which really are almost too lovely to eat. Do you admire some flower in the garden, the mistress of the place, neat, rosy and motherly looking, shows you her array of potted plants, gives you choice slips galore, and gathers seed from the garden by the handful for you. Into this happy valley the foreign element seems scarcely to have penetrated, and hoodlum and gamins are apparently unknown. The inhabitants, descended from the early settlers, calm, serene, unfailingly courteous and obliging, moving on the even

The Rusting of Wire Fences.—In your editorial comments for December I notice you comment on the rapid rusting of trellis and other wire, and wonder why it is. The explanation is not difficult when it is known that at the present day 99 per cent. of wire is steel.

It is a well known fact that the grade of steel called machine steel (to distinguish it from tool steel) is most remarkably subject to rusting, and is more deeply pitted and corroded than iron or any metal except perhaps zinc.

In addition to that I believe the coating of zinc deposited in galvanizing is thinner than is the case with iron wire. This may be due to the surface of the steel being much smoother and more dense than that of iron, or it may be due to the particular process, or it may be intentional.

Steel has so many good qualities, permitting it to be rolled and drawn very thin, and worked into every conceivable shape, retaining its strength and toughness, that it has superseded iron almost completely.

Roofing tin, and nearly every article of tinware is now made of steel plate, which accounts for all the annoyances of early leaks and short life.

I have found that a thorough painting of trellis wire when slightly rusted has a preservative effect better than the original galvanizing.—C. D. C.

## THAT NEW YEAR'S PRESENT.

Do not forget that Green's Fruit Grower and Home Companion would make an interesting and useful gift to that friend, that son, or daughter who used to be a part of your home, but who is now living elsewhere. You can help Green's Fruit Grower by sending a copy of it to your neighbor so that he may learn of its value.

# EXCELSIOR Spraying Outfits

Insure large yields of perfect fruit. Spraying is not an experiment. It is a grand success. Excelsior Sprayers are the kind to buy.

## SAVE THE FRUIT

from the ravages of disease and insect pests by the timely use of an Excelsior Sprayer. Indorsed by leading fruit growers in every section. Write for descriptive catalog.

**WILLIAM STAHL, Box 4 S, Quincy, Ill.**

Please mention Green's Fruit Grower.

**MONEY IN GOOD CABBAGE**  
My elegant new book for seed growers is a storehouse of rare seed information. Tells about my famous varieties of money-making cabbage. **WRITE TO-DAY FREE** Mention this Paper and I will send you a package of Buckbee's New Early Marvel cabbage the best-growing variety on earth together with a copy of my great Seed Book. **H. W. BUCKBEE**  
Dept. L-18 Rockford Seed Farms  
Rockford, Illinois

## Good Fruit

### Versus Bad

is the subject at issue and no wide awake farmer will doubt which is more desirable.

## The Spramotor

absolutely insures you 80% of an increase in the crop from your orchards. The Spramotor pays for itself many times over which is better than costing you nothing. Don't confuse it with Spray Pumps. Write for Booklet (A). Full particulars free.

## SPRAMOTOR CO.

Buffalo, N.Y. London, Canada.

AGENTS WANTED.

**RHODES DOUBLE OUT PRUNING SHEAR**  
Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.  
**RHODES MFG. CO.**  
415 West Bridge St., GRAND RAPIDS, MICH.

## "Lest We Forget"

Marble and granite monuments become discolored, moss-grown, and in time crumble and decay. Some cemeteries now prohibit marble.

## White Bronze

Monuments are indestructible. Time and the elements do not affect them. White Bronze won both the Gold and Silver Medals at the St. Louis Exposition. If in need of monuments, markers, headstones, posts, covers or statuary, give us approximate sum you can spend and we will send a variety of Beautiful Designs, prices, etc. No obligation to buy. We deal direct and deliver everywhere. **AGENTS WANTED.**

## MONUMENTAL BRONZE CO.

587 Howard Ave., Bridgeport, Conn.

Special Inducements on winter orders.

## Stump and Tree Pullers

Self-anchoring and Stump-anchored. Something new. Pull an ordinary stump in 15 minutes. 1 to 5 acres at a setting. Different sizes to suit all kinds of clearings. For illustrated catalog address



**Wilne Mfg. Co., 625 Ninth St., Wrentham, Ill.**

## Cutaway Tools for Large Hay Crops

### CLARK'S Reversible Bush & Bog Plow.

Cuts a track 4 feet wide, one foot deep. Will plow a new cut forest. His double action Cutaway Harrow keeps the land true, moves 18,000 tons of earth, cuts 30 acres per day.

His Rev. Disk Plow cuts a furrow 5 to 10 inches deep, 14 inches wide. All of these machines will kill witch-grass, wild mustard, charlock, hardhack, sunflower, milkweed, thistle, or any foul plant. Send for circulars.

**Cutaway Harrow Co.,**  
Higganum, Conn. U.S.A.

Please mention Green's Fruit Grower.



## RHEUMATISM

Wonderful New External Remedy  
Curing Thousands. Any Rheu-  
matic Sufferer May Try It  
Without Cost.

Send Your Address and Get  
A Dollar's Worth FREE.

I have a sure, quick and lasting cure for Rheu-  
matism. I cure it by means of Vibro Discs, a  
wonderful new appliance which is used exter-



nally and draws out the poison from every part  
of the system. It is the wonder of the age, and a  
godsend to Rheumatic sufferers. There is noth-  
ing like it, and nothing equal to it. It banishes  
pain as if by magic, and conquers this dread  
disease in all its cruel forms and stages. It is safe,  
simple and convenient for home use and roots out  
the acid venom so thoroughly that no relapse or  
fresh attack can occur. Prove these claims your-  
self by testing the remedy at my expense. I will send  
you, absolutely free, four of these Vibro Discs—



a full dollar's worth—if you simply send me your  
name and address. This is an absolute gift, and I  
shall neither ask nor accept pay for it now or in  
the future. Can you afford to continue in pain  
and misery when you can get this marvelous new  
and guaranteed treatment simply for the asking?  
Write me to-day and I will send you the treat-  
ment at once and with it an elegant illustrated  
book on Rheumatism, all free and prepaid. Don't  
send any money—not even a postage stamp—but  
send your name and address THIS VERY DAY.  
PROF. S. M. WATSON, Dept. 52, Battle Creek, Mich.

## Asthma

CURED TO STAY CURED.

Attacks stopped permanently. Cause removed. Breathing or-  
gans and nervous system restored. Symptoms never return. No  
suffering needed afterwards. 25 years of success treating Asthma  
and Hay Fever. 50,000 patients. Book \$5.00 Free.

Write P. HAROLD HAYES, BUFFALO, N. Y.

## Never Cut a Corn

It is dangerous. Our plasters give safe, sure and speedy  
relief, extracting the corn without pain or trouble. Mailed  
direct to your address five for a dime, fifteen for a quar-  
ter. Booklet on foot comfort free with each order. Not  
sold by dealers. SIMPLEX CORN CURE, 1033 WALNUT ST. PHILA.

**CANCER CURED**  
WITH SOOTHING, BALMY OILS.  
Cancer, Tumor, Catarrh, Piles, Fistula, Ulcer and all Skin and  
Wound Diseases. Write for Illustrated Booklet. Sent free.  
Address DR. RYE, Kansas City, Mo.

## SCARF PIN GIVEN TO SUBSCRIBERS



While in New York recently I found  
in one of the largest Broadway stores  
a stickpin which I consider attractive  
as a gentlemen's scarf pin. The above  
photograph shows the design which we  
offer as a premium to each subscriber  
to Green's Fruit Grower who sends us  
50 cents and claims this premium when  
subscribing. The pin is a green stone  
and is surrounded by what appears to  
be a network of little beads. This is a  
pin that any gentleman of taste can  
wear. A friend who has a \$200 pin wears  
this pin in his travels where he is afraid  
of losing his valuable diamond. This pin  
can be used by ladies in various ways.  
We are convinced that this pin will  
please the readers of Green's Fruit  
Grower, but do not fail to claim the pin  
when subscribing, since if you do not  
claim it at that time you cannot get it  
as it is impossible for us to look over  
the many thousand subscribers in order  
to trace your subsequent claim.

## Our Orchard Department.

### SEASON OF 1904 FRUIT LORE.

Editor of Green's Fruit Grower: Al-  
though the winter of 1903-04 was un-  
usually severe upon certain fruits, we  
appear not to have suffered as did many.  
The strawberry season was pleasing  
throughout. It is true that the picking  
commenced a little later than usual, but  
it made up for that in the length of  
time that the delicious fruit could be  
found. Corsican, Brandywine, Senator  
and one or two others still held us to  
the good opinion of them. The average  
good picker picked from 85 to 125 quarts  
per day of 8 hours and this at 1 1-2  
cents per quart made them happy. This  
picking note is guarantee that these var-  
ieties are still holding their own on our  
grounds, and can be recommended as  
good varieties to plant. After the straw-  
berries gave us one hundred bushels  
berries came in, and what a crop of pur-  
ple ones (Columbian) to be sure. Sixty-  
six bushels were picked from 9 rows of  
150 paces. Black raspberries were a fair  
crop, but injury by winter caused a  
shortening of the yield. Reds were good  
and sold at high prices. Blackberries  
have usually been quite a consideration  
with us, but this crop, like the peach  
crop, may be entered as a fizzle for 1904.  
The year previous a little patch of black-  
berries gave us one hundred bushels,  
which sold readily at \$3.20 per bushel.  
The returns for 1904 for this field were  
10 cents, an astonishing difference. Red  
currants were a good crop, selling very  
readily at good prices. Black currants  
were in much demand. It would be lit-  
tle trouble to dispose of the crop of an  
acre or two of Black Champion currants  
if we had them. And this brings us to  
cherries and plums. Cherries are al-  
rights, especially the Morello type. Rich-  
mond and Montmorency. With low-  
headed trees and quick pickers we made  
a good thing out of the sour cherry, the  
demand for the fruit being always heav-  
ier than the supply; 6 and 7 cents per  
pound was the prevailing price. Plums  
on the other hand seemingly are always  
in excess of needs and yet by putting  
them up in good shape we disposed of  
the bulk at a fair paying price, but a  
man should either make it a business to  
grow plums and plant enough so that he  
can charter cars and ship in bulk lots,  
or else locate near a good sized town  
and grow fancy fruit and put it up in  
fancy shape.

The pear crop was light. Wilder Early  
yielded a lot of nice fruit as did Bartlett  
and Clapp's Favorite, but the other  
main varieties evidently took a rest. Ap-  
ples—my what a show of apples. One  
hundred and twenty-five varieties in  
fruiting and many trees bent to the  
earth with their crop. More care was  
taken in spraying the specimen rows and  
the quality was superb. Specimens of  
about sixty varieties were sent to the  
N. Y. State Fair in September, with  
others shown by the W. N. Y. H. S. and  
their collection gained the special pre-  
mium offered. At this point we cannot  
forbear saying a word or two about  
some of the newer apples grown by us.  
Amongst the fine quality apples Schia-  
wassee Beauty, Mellon, Rockbridge,  
Princess Louise and Fanny certainly  
stand pre-eminent. For fine appearance  
and large size Alexander, Red Beetig-  
heimer, Bismarck, Wolf River and Ba-  
nana were especially noticeable. Of the  
better well known apples Yellow Trans-  
parent as the earliest, good, light col-  
ored apple is a treasure; it is a hardy,  
early productive variety. Wealthy is an-  
other very hardy tree and the fruits of  
that beautiful showy red that attracts  
both the grower and the buyer. Jacob's  
Sweet amongst the sweets, if I am not  
mistaken will supercede the old pound  
sweets and many other sweets on ac-  
count of its very large size, fine appear-  
ance and other qualities. But there are  
perhaps fifty more that it would seem  
good to speak of, but space forbids.

Baldwin, the old standard, beats its  
good record by producing a heavy crop  
again. This is the third season in suc-  
cession that it has given a good to very  
large crop. In these parts a few years  
ago its reputation stood as an every-  
other year producer.—E. H. B.

Downing says the Wagener is thrifty,  
upright, hardy and an early bearer, re-  
quiring thinning. Fruit medium or  
above, yellow, mostly shaded with crim-  
son, obscurely striped and sprinkled with  
light dots, stalk nearly an inch long.  
Flesh yellowish, very tender, juicy, ex-  
cellent, brisk, somewhat vinous, very  
good to best. A very delicately flavored  
apple. Ripe November to February.

Many orchards are kept in grass year  
after year. The grass is cut for hay and  
no manure is applied to the land. The  
trees make very little growth and bear  
only very light crops of small, imperfect  
fruit, and yet the owners wonder why  
their orchards bear so little fruit. It  
would be a wonder if such orchards  
should bear well—their owners always  
taking from them and never returning  
anything to them. Such orchards may  
be top-dressed with manure and sheep  
turned in. The sheep will eat the grass  
and leave the manure upon the ground,  
which is better than cutting the grass  
for hay and carrying it off the land.  
There are many orchards which are well  
grafted to valuable market fruit, which  
if well cultivated and manured might  
be made to yield four times the quan-  
tity of fruit that they do at present.  
If some of the owners of such neglected  
orchards would apply the manure, which  
they use on their corn crop to their or-  
chards every other year they would ob-  
tain four times as much money by the  
increase in the apple crop as they can  
for the corn they raise.—Exchange.

In the town of Greece a farmer rented  
his farm, offering it for a cash rent of  
six hundred dollars, or for five hundred  
if the tenant would relinquish half the  
apples on a young fifteen-acre orchard.  
The tenant didn't want the apples any-  
way, didn't believe orchards paid, and  
took the farm on the lower cash proposi-  
tion. The orchard had fully one thou-  
sand barrels of fine apples, worth at  
least two thousand dollars; probably  
worth that after deducting cost of pick-  
ing and marketing. The owner of the  
farm has offered to give off the rent  
for the balance of the farm provided  
the tenant will relinquish his half of the  
apples. The offer has not been accepted,  
very possibly for the reason that if the  
tenant gave up half the apples for five  
hundred dollars his chance for making  
anything from the remainder of the  
farm in such a season as this has proved  
would be very slim.

Trees for Fences.—A durable wire  
fence can be made by planting straight  
growing trees a rod or so apart and  
putting wires on them by means of  
staples after they have grown several  
years. Lombardy poplars are good for  
the purpose, as they are straight and  
rapid growers. They are not especially de-  
cidable trees, however, as they are easily  
broken by ice and wind, and in many of  
the Northern states they are not long-  
lived. There could be no objection to  
using apple or pear trees for this pur-  
pose, if one is pressed for room. As the  
trees would be in an isolated row there  
could be but little trouble from their  
being too close together. If apple trees  
be selected for such a purpose, the more  
upright growing varieties should be se-  
lected. Pear trees would answer the  
purpose best. On small places, where  
a permanent fence is required, fruit trees  
could in this manner be turned to double  
account.

A Plea for Sweet Apples.—It is a fact  
conceded by all our physiologists, that  
the sweets—as set over against the  
acids which deplete the system some-  
what—are fattening. On this principle,  
which I regard a true one, sweet apples  
are excellent to fatten with, even alone,  
and when combined with meal after be-  
ing cooked comprise a food that is well  
high complete for our hogs. And it is  
not all theory either, or at least the  
theory can be verified and justified by  
observation and practice.

I have no doubt of the efficiency of this  
food as a fatterer, judging from my own  
limited observation and experience. And  
I think every farmer in grafting over  
some of his numerous early sorts would  
do well, exceedingly well, to put in their  
places two or three kinds of sweet ap-  
ples, early and late varieties, so as to  
have succession through the apple-bear-  
ing season.

How to Market Fruits.—E. H. Wil-  
liams says that all commercial fruit  
growers should visit large markets and  
learn from experience the great value  
of careful handling and packing. Much  
really good fruit has to be sold at low  
prices simply because it is sent to  
market in bad shape. Good fruit, well  
packed, and the grower's name plainly  
stenciled on the package, will soon make  
a name for the grower, and such goods  
will always sell quickly and at high  
prices.

If we salt you, tell others. If not, tell  
us.

## Catarrh, Foul Breath.

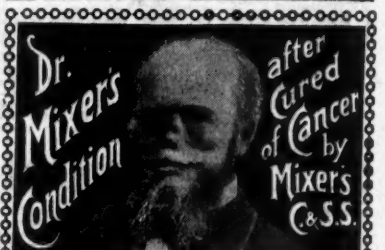
If You Continually K'hawk and Spit  
And There is a Constant Dripping  
From the Nose into the Throat,  
If You Have Foul, Sickening  
Breath, That is Catarrh.

Large Trial Package Free—Quickly Cures.



Any person having catarrh always has a bad  
breath. The sense of smell and taste are nearly al-  
ways totally destroyed in time so that the person  
who has catarrh does not realize how loathsome  
their disease is. They continue their K'hawking,  
K'hawking and spitting and spitting about promi-  
suously until they are shunned by everyone, and the  
sight of them is enough to make a well person sick.

In order to prove to all who are suffering from this  
dangerous and loathsome disease that Gauss Catarrh  
Cure will actually cure anyone of catarrh quickly,  
I will send a trial package by mail free of all cost.  
Send us your name and address to-day and the treat-  
ment will be sent you by return mail. Try it. It  
will positively cure so that you will be welcomed  
instead of shunned by your friends. Write to-day.  
C. E. GAUSS, 3074 Main St., Marshall, Mich.



## Sure Cure for Cancer

Scrofula, Running Sores and all  
Blood Diseases.

A never failing cure luckily discovered  
by an old Michigan Doctor.

Forty-five years ago my father who was himself a doc-  
tor, had a vicious cancer that was eating away his life. The  
best physicians in America could do nothing for him.  
After nine long years of awful suffering, and after the can-  
cer had totally eaten away his nose and portions of his face  
(as shown in his picture here given) his palate was entirely  
destroyed together with portions of his throat.  
Father fortunately discovered the great remedy which  
cured him. This was forty years ago, and he has never  
suffered a day since.  
This same discovery has now cured thousands who were  
threatened with operation and death. And to prove that  
this is the truth we will give their sworn statement if you  
will write us. Doctors, Lawyers, Mechanics, Ministers,  
Laboring Men, Bankers and all classes recommend this  
glorious life saving discovery, and we want the whole  
world to benefit by it.

**HAVE YOU GOT CANCER,**  
Tumors, Ulcers, Abscesses, Fever-Sore, Gout, Catarrh,  
Salt-Rheum, Rheumatism, Piles, Eczema, Scald Head  
or Scrofula in any form.

We positively guarantee our great treatment, perfect  
satisfaction and honest service—or money refunded.  
It will cost you nothing to learn the truth about this  
wonderful home treatment without the knife or caustic.  
And if you know anyone who is afflicted with any disease  
above mentioned, you can do them a Christian act of kind-  
ness by sending us their addresses so we can write them  
how easily they can be cured in their own home. This is  
no idle talk, we mean just what we say. We have cured  
others and can cure you. Forty years experience guar-  
antees success. Write us today; delay is dangerous.  
Illustrated Booklet FREE.

DRS. MIXER, 305 State St., Hastings, Mich.

## NO FRECKLES PIMPLES OR WRINKLES

Vital-Vine Freckle Cure, mailed in plain package for 25c.

**HANFORD VITAL-VINE CO.**  
ROCHESTER, N. Y.

Goutre Cure.—A friend has been cured  
of Goutre at home. I will send her re-  
cipe for 25 cents. Address, Green's Fruit  
Grower, Rochester, N. Y.

## Do You Scratch?

Intense Itching, Eczema, all skin diseases quickly cured. 35,000  
persons cured in five years. I do what no physician can do.  
Send 6 cents for trial treatment.

W. BULLARD, 331 Theodore Street, Detroit, Mich.

## HIGH GRADE HAIR SWITCHES

FIRST QUALITY HUMAN HAIR, none better.  
(Ordinary colors) at the following prices:  
2 oz. 20 inches, \$0.90 | 5 oz. 24 inches, \$2.25  
2 oz. 22 inches, 1.25 | 5 oz. 26 inches, 2.50  
2 1/2 oz. 24 inches, 1.40 | 6 oz. 28 inches, 2.80  
3 oz. 26 inches, 1.60 | 6 oz. 30 inches, 3.00  
Grays, Blondes, etc., 1/2 to 1/4 more. Send sample of hair  
we will match perfectly. SWITCHES sent by mail  
on approval, to be paid for when received if satisfac-  
tory; otherwise return to us by mail. Money refunded  
if desired. Illustrated Catalogue of Switches WIGS,  
Curls, Bangs, Pompadours, Waves, etc., 20¢ in Mail.  
ROBERTS SPECIALTY CO., 112 & 114 Dearborn St., CHICAGO.  
THE OLD RELIABLE HAIR GOODS HOUSE.  
We sell more beautiful fitting WIGS than all other dealers in  
Chicago. Our hair goods have been the standard for many years.



## ABOUT OLD TIME ORCHARDS.

Charles S. Wilson, of Cornell University, writes C. A. Green, asking questions on this subject. Reply: In reply to your inquiry I will reply as follows: Varieties come from various sources; from Russia, from the Eastern, Western and Middle states. The Spy apple was originated in Bloomfield, about fifteen miles south of Rochester. American Blush came from Farmer Village, Cayuga Co., N. Y., was sent me by James Norton, who said it was closely allied to Hubbardston but was different from Hubbardston and a long keeper. Banana was sent us fifteen or twenty years ago from Flora, Ind., or by a man by the name of Flora, I have forgotten which. Blumark came from Germany. Yellow Transparent, Red Bietighelmer, Borsdorf and Duchess came from Russia. Princess Louise from Canada. Wismer's Dessert from Canada. King from Tompkins Co., N. Y. Golden Royal from Mass., I think. Blenheim or Lord Nelson from England. Ontario from Canada, also Shlawassee Beauty. York Imperial from Pa. Yellow Pippin and Black Detroit, I cannot say. I write this without records, simply from memory, and am not sure I am absolutely correct.

The first large commercial orchard I have any knowledge of was planted in Henrietta, six miles south of Rochester, forty-five years ago. It embraced fifty acres. It does not exist now. The early orchards of my childhood that bore fruit over fifty years ago, and were then well grown, were universally seedling trees, some of which have been grafted to improved varieties, but a larger portion of the trees bore seedling fruit. Some of this fruit was often found lying on the ground, partly covered with leaves, in the spring, in good eating condition, probably protected by snow. The varieties known then were Golden Sweet, Cabasha, Sweet Bough and a yellow harvest apple known as the Short Stem, Black Detroit, Twenty Ounce, Golden Pippin. I do not remember any valuable winter apples at that date. But five or six years later I remember of seeing orchards of the King, R. I. Greening and some other varieties, but my recollection is indefinite.

My first orchard was planted forty years ago. As near as I can remember it contained the following varieties: King, Baldwin, Greening, Spy, Rox. Russett, Early Harvest. My more recently planted orchard contains about 300 varieties, a list of which I will attach.—C. A. Green.

## LATE BLOOMING PEACHES.

Editor of Green's Fruit Grower:—Last year the peaches and nearly all the apples in my vicinity were killed by cold on the 20th and 21st of April. This was late in the season when the woods are sometimes green, and fruit then in bloom is very rarely injured by frost. Still I noticed in a neighbor's orchard some apple trees that were not yet in bloom and the fruit on these escaped the general destruction. This circumstance naturally suggested to me the idea of selecting for late bloomers. If we had apple and peach trees that would not bloom until the last days of April, in this latitude (38 degrees), we could be almost certain of fruit every year, just as we are nearly always certain of blackberries because they bloom so late. It seems strange to me that fruit growers have paid so little attention to this matter. I have been an extensive reader of agricultural and fruit journals and I do not remember to have ever seen the subject discussed, though I suppose it must have been. If some systematic effort were made to develop late bloomers, I see no reason why millions of dollars worth of fruit might not be saved almost any year. I do not know of a late blooming peach, but I can name two apples of that character. The one referred to above is called the Jennet.—T. C. Karns, Tennessee.

My Kieffer pear trees have borne splendid fruit and large crops but I have to sell them so cheap that I do not make much profit. We have a variety of plum that pays better profits than all other plums. We have apricot trees, peach trees, Morello and Tartarian cherries, Ben Davis, Tallman Sweet, Fameuse, Baldwin, Greening, Spy, Ribston Pippin, Red Pippin, Gravenstein, Gravenstein and Ben Davis sell well. Have kept Ben Davis until September. I love

to work outdoors among my fruits. My husband used to grow berries for market but has given up berry growing. We still have a nice bed of strawberries among which is C. A. Green's big berry, also Snyder blackberry and a few Iceberg. I could not do without red raspberries for family use, also blackberries, gooseberries and currants. I have the Red Cross currant which bears fine well flavored fruit.—Mrs. Julia F. Bradt, N. Y.

## TREE PLANTING TO MORROW

No man has seen to-morrow. To-morrow I will restrict myself says the spendthrift. To-morrow I will pay my debts says the bankrupt. To-morrow I will reform says the drunkard. We have a man here who is going to plant fruit trees to-morrow. He stopped our teams on the road laden with trees, and asked if we had any more left. "Yes, well, I will come to-morrow and get some." Not coming, we sent our man over to see him. His place was barren of everything eatable but hogs and hens. "Young man, I will come over and see you to-morrow—I want to put out an apple orchard and some cherries, but don't know just how many I want. No, no, won't order now—wait till to-morrow." Our man thought he heard a giggle from the young folks in the next room, but couldn't understand the point. One day about the last of the season our man, who never says fail, drove up to our to-morrow friend's door with just the kind of trees he said he wanted. "No, I can't plant this year; it is too late now—must put it off again." "How long have you talked about planting trees, my friend?"

"Well, sir, I have talked about it these 20 years, but never quite got at it. Sometimes the folks was sick, sometimes I hadn't a cent to buy with, sometimes I thought the boys ought to do the setting out, so long as they would get all the good of them—one reason or another has upset me, and while I have been foolin' about my neighbors have got their orchards into bearing. But see here, young man, you come around next fall and I rather think now that I'll plant them are trees. I need 'em you know. Yes, come around; come around." But our agent shook the dust of that man's farm off his feet forever, never to return to-morrow.

Lord Nelson.—This superb apple was brought from England by a farmer neighbor, now deceased, who, in bidding farewell to his father-land and the familiar friends and surroundings of his childhood, could not give up the favorite apple that had fruited so generously in his garden. It has been tested here for several years, and bears heavy crops of large, smooth, marketable apples, remarkable for freedom from defects or worms, and a favorite for eating or cooking with all. It appears to combine many of the good qualifications of the Hubbardston Nonsuch, and the Seek-no-further, while it is larger and fairer and more productive with us. It appears to be exceedingly hardy. Charles Downing does not recognize it, and finds no record of anything like it. Skin yellow, splashed with red and russet; flesh white, crisp, tender, juicy, subacid, enticing; form roundish, slightly oblong; season December to February.

Don't.—Don't mix ashes with other manure. Don't top dress when ground is frozen. Don't allow your manure to fire-fang. Don't allow your manure to leach. Don't plough more land for your wheat than you can manure well. Don't let your fowls roost where their droppings will be lost. Don't sell any hay or straw. Don't fail to buy all good manure offered at 75 cents per load. Don't manure in the hill with coarse or fresh manure. Don't fail to make manures fine before applying to the soil. Don't fail to secure a good supply of absorbents in the fall. Don't fail to have manure of some kind on hand all the time.

Many rough and now seemingly barren hillsides can be made to produce more profit if planted with fruit trees than if used for other purposes. It would be the worst kind of folly to plant trees upon our stony hillside pastures and expect them to grow and yield a profit without further care. Rocky land is generally very rich in those elements that go to make rich and high colored fruits, provided it is not dry and sandy, and holes can be dug large enough to receive the trees.

Pear trees come into bearing after planting sooner than apple trees, and annual crops are more certain with the usual treatment that both crops get. Generally, too, pears bring the prices.

Things don't turn up in this world until somebody turns them up.

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# PROFESSOR H. E. VAN DEMAN,

Associate Editor of—  
**GREEN'S FRUIT GROWER.**

## HIS ANSWERS TO INQUIRIES.

**Profit in Berries.**—A correspondent in Illinois wants to know if there is a good or poor prospect ahead for those who want to grow berries. He says he has good land and the labor to produce crops if he can sell the berries to advantage.

**Reply:**—There is no doubt about there being plenty of room in the markets of the country for good berries, and there always will be. Our people are eating more and more fruits of all kinds, and they like and will pay for good berries. But they must be good. They must be as ripe as it is possible to allow them to get before they are picked, and they must be clean. It is really a difficult matter to get ripe berries in the city markets in good condition, as I know from several years' experience in Washington, D. C. There seems to be too little care used in gathering the berries, especially in this true of strawberries, and too long a time between the time they leave the farm and the delivery by the local dealer to the consumer. Dirty, gritty berries always make the consumer dissatisfied, and stale or rotten ones leave a bad taste in the mouth.

When I lived on the farm in Kansas I used to grow more berries than we could use at home and often had some to sell. I found that my neighbors, who were all farmers, wanted about all that we could spare. Sometimes I had some with me in the wagon when I went to town and it was never any trouble to sell them at fair prices. Many times I would not get to town with any, having sold them on the way. The people in the small towns and even country customers will be found willing to pay more for really good berries than can be got by sending them to the big cities. By having a wagon to send regularly to market there will soon spring up a trade on the road that will be surprising. There is much in running it regularly, so that the patrons may know what to expect. By engaging to deliver at stated times, the weather permitting, one can often sell twice as much as otherwise. It is one thing to grow fruit and another and a harder one to sell it to advantage. But if the quality is good the selling is greatly simplified. However, one must know how to look after the business end of the matter.

In growing berries there should be a succession, that one kind may follow another throughout the season. This keeps the people on the farm employed for a long time, and not rushed beyond their with very little to do. The same is true of the selling of it. Also, one may succeed when another does not. Therefore, grow the different kinds of berries, so far as the land and climate will permit.

**Better Quality.**—I have noticed in some of the rural papers that there are complaints of the poor quality of many of our leading fruits and a tendency towards growing something better to supply the markets. Is there a real demand for apples that are better than Baldwin and Ben Davis at a price that will pay to grow them? How about other fruits of the same character?—W. T. M., Conn.

**Reply:**—While it is true that most buyers of fruits care far more for looks than they do for quality there are those who look further and deeper than that. Goodness in a fruit is more than skin deep and some people know it. Yet, for the average consumer we must have something really good to look at before he will buy it.

Fortunately, in the way of apples, we have a few that are not only far better in flavor than Baldwin, Ben Davis and others of the same general character but more handsome. And they are good in their behavior in the orchard and keep well into the winter season. Notable among these varieties, which are few, is Jonathan. It is only of medium size, and this is true of Baldwin, but in color it is brilliant red and very attractive. The quality is high, the apples never getting dry and of poor flavor, even if half rotten. The trees will grow anywhere that Baldwin will succeed and excel them in regular bearing. In the matter of late keeping Jonathan will not equal some of the winter apples, but in most sections of the North it will last until the latter part of the winter.

Grimes is an early winter apple of the highest quality. It is of medium size and golden yellow when ripe. There is no apple that I know that excels it in rich flavor, and few equal it. In bearing the tree is as good as the best, and is hardy and well shaped. The fruit requires rather early gathering.

If one will give good attention to the trees, cultivating and spraying them well, Esopus (Spitzenberg) will pay. It is one of the best apples known and has a reputation that will always help to sell it. Hubbardston is another very choice apple that has almost no faults. It is not a late keeper and is not very attractive in color, but it is good under the severest tests. Banana is new but is gradually becoming known and appreciated by the lovers of good fruit.

Rest assured that there is and will always be a good demand for really choice apples and the same is true of other fruits. Baldwin and Ben Davis will sell to the general consumer but those who want something really good will look further.

**Orchard Not Productive.**—I have an orchard of apple and pear trees that has been planted for eight years and well cared for, but the trees do not bear much fruit. It seems to me that they should begin to yield abundant crops at this age. The varieties are Baldwin, R. I. Greening, King and other standard varieties. What should I do to this orchard?—A. L. P., New York.

**Reply:** Those who engage in fruit growing should have patience as a considerable part of their makeup. It takes a long time to get orchard trees into profitable bearing, especially in the eastern part of our country. In the central and western portions fruit trees of all kinds bear very early, some of them bearing full crops at four or five years from time of planting. In nearly all portions of the country east of the Mississippi river it requires about twice as long for trees to come into profitable bearing, and sometimes much longer. Trees that are well cared for are apt to be a little more tardy in producing fruit than those that are somewhat neglected, but they will bear better in the end. It does not pay to omit or neglect good tillage and proper manuring of young orchards, but high stimulation of the trees, especially with nitrogenous manure, when young, will cause excessive and prolonged growth of the trees. When the time for fruit bearing really comes they will be none the worse for the delay, but might better have begun a little sooner.

The Baldwin apple is an old standard apple for New York and other Northern states, but it is not an early bearer and the same is true of R. I. Greening. Both of these are suitable to that region, but the Baldwin is sometimes very undependable in its bearing and may be said to be spasmodic in this regard. The quality of the fruit is only fair. Northern Spy is a very late bearer, but it is a splendid apple in quality, and as it is so good for either home or market uses those who grow apples should be willing to wait for the trees to bear.

All that can be done with the orchard under discussion, and there are many more like it, is to give it good culture and not very strong manuring and wait results. It is scarcely time to expect much from it. A wise plan, in setting a new orchard, is to set early bearing varieties between the tardy bearers. Small fruits can also be grown among the trees for a few years.

**New Fruits.**—Will it pay fruit growers to interest themselves in new varieties? Are they not usually of little value and very delusive?—A. R. N., Ohio.

**Reply:** If may not pay fruit growers in dollars and cents to experiment with the new varieties of fruits as they come out, but it will pay in information; and besides that, it is their duty to do it. If the practical men in the business of growing fruit do not test the new things and prove their good and bad points how will they and all the rest know what they are? We need not hasten to try every novelty that is offered at big prices, but we should try to keep posted in a practical way about such varieties as give promise of being valuable. Once in a while there is one that will really pay to have. Above all, we will be doing good to the cause of horticulture by learning and making known the truth.

**Dwarf Apples.**—Will it pay to grow dwarf apple trees between standards, or in an orchard by themselves? I have only a small place and live near town.—W. P. B., New Jersey.

**Reply:** Dwarf apple trees have been grown in this country for many years but so far they have not proved a success commercially. If one wants a very few trees on a town or city lot it might

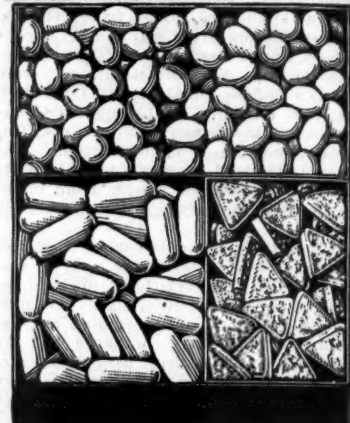
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be well to plant them; but even there it is a question if the same amount of apples could not be grown more easily on standard trees. If several varieties are desired where even only room for one or two large trees could be found the end could be reached by grafting or budding several of them on one tree. The dwarf apple trees are very nice but they cost far more than standard trees at the nurseries, because of the expense of the stocks, which are imported, and the extra trouble in growing them.

H. F. Randeman.

Begin Now.—It is said that the infernal regions are paved with good intentions. What do good intentions amount to if not carried into effect? I know of men who intend to plant orchards and fruit gardens next spring. I know they will not do it. They have intended to begin this important work each year for many seasons, but when the time for planting comes, always have some excuse for putting it off. Year by year they saw their neighbors orchards of apples, pears and cherries rapidly approaching the bearing age, beautifying and adding great value to their farms. They saw their neighbors' gardens bearing the delicious strawberries, raspberries, blackberries, grapes, and confidently expected next season to set about the long delayed work of planting fruits. But the next season brought the same excuses and forgetfulness. I appeal to you, my friend, to begin at once to plant fruit. Get the trees, the plants, the vines planted and on their way toward bearing their luscious burdens. Begin now; don't put it off. Now is the time. Don't deceive yourself and deprive your family of these healthful luxuries by longer delays. Send us an order early in February or March. Get your wife and the girls and boys to help you make your selection. This done the struggle is over, and the prospect for an abundance of fruit secured.

Clean up! Begin with the privy, and make thorough work of it, says the "Farm Journal." Then go to the well, spring or cistern. Pump or bail them out; scrub, wash and whitewash the walls. Look to the drains; hoe them out, and dose them with lime wash. Rake up rubbish of all sorts, and divide it between the wood pile, manure pile and lumber pile. Then to the stables, pig-pens, chicken houses, etc. Sweep, dust and whitewash. As you value your health and that of your family, clean up! This is good talk. Poetically, the farm-house is a vine-clad cottage embowered in roses. Practically, it is often an unpainted prison with bad smells about the back yard. Farm houses have no sewers. What to do with the slops and refuse no one has been audacious enough to say with any certainty, thus they are often indirectly thrown into the well or spring. Slick up, clean up, wake up—any way to get up and out of the way of diphtheria or typhoid fever.

If the materials once used by the life principle in building up organic bodies could not be used over and over again for the same purpose, life must soon cease through the exhaustion of all that is capable of sustaining it. It is in that which has lived, but lives no longer, that life finds the greater part of its sustenance. Before organic matter is available for plant food, it must be reduced almost to its primitive element; and its reduction is mainly effected through those processes of fermentation and putrefaction in which bacteria appears to be the most active and important agent, and stupendous as is its work, it is an agent so minute that twenty million individuals of its class might be enclosed within a globe small enough to be passed through the eye of a cambric needle.

Canada Methods.—C. J. Bartlett of Canada asks Green's Fruit Grower if the plowing under of green rye will sufficiently fertilize the soil for good crops of grapes, peaches and small fruits. Reply: Such fertilizing is very light and does not compare with that of covering the ground lightly with stable manure. The plowing under of green crops enriches the soil and adds humus but does not add largely to its fertility. If your soil is very much reduced in fertility plowing under rye as proposed would not be enriching it enough. Yes, native plum trees could be grafted to improved varieties, but plums are far more difficult to graft than apple or pear trees. Premium plants, books and other items go promptly and safely to Canada without duty.

Biggs—"How do you go to work to tell a hen's age?"  
Diggs—"By the teeth."  
Biggs—"A hen hasn't got any teeth, you idiot!"  
Diggs—"No, but I have."

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McCall's Magazine	Woman's Home Companion	Farm and Fireside	Farm Journal	Farmer's Voice
Vick's Magazine	Woman's Farm Journal	Vick's Magazine	Farmer's Voice	Kimball's Dairy Farmer
Housekeeper	Green's Fruit Grower	Housekeeper	Woman's Farm Journal	Farm Journal
Green's Fruit Grower		Green's Fruit Grower	Green's Fruit Grower	Woman's Magazine
Housekeeper	Farmer's Voice		Mayflower	Green's Fruit Grower
Woman's Magazine	Woman's Magazine	Farm Journal	Home and Flowers	
Woman's Farm Journal	Housekeeper	Farm and Fireside	Woman's Magazine	
Green's Fruit Grower	Woman's Farm Journal	Reliable Poultry Journal	Green's Fruit Grower	Farmer's Voice
	Green's Fruit Grower	Woman's Magazine		Woman's Magazine
American Poultry Advocate		Green's Fruit Grower	Tribune Farmer	American Poultry Advocate
Poultry Keeper	Agricultural Epitome		Housekeeper	Woman's Farm Journal
Woman's Farm Journal	Vick's Magazine	Farm and Fireside	Woman's Farm Journal	Green's Fruit Grower
Green's Fruit Grower	Poultry Success	Farmer's Voice	Green's Fruit Grower	
	Green's Fruit Grower	Farmer's Voice		Poultry Keeper
Union Gospel News		Woman's Magazine	Poultry Success	American Poultry Advocate
Missouri Valley Farmer	American Boy	Green's Fruit Grower	American Poultry Advocate	Woman's Magazine
American Poultry Advocate	American Poultry Advocate		Woman's Farm Journal	Woman's Farm Journal
Woman's Magazine	Green's Fruit Grower	Farmer's Voice	Green's Fruit Grower	Green's Fruit Grower
Green's Fruit Grower		Vick's Magazine		
McCall's Magazine	Farmer's Voice	Farm and Fireside	American Poultry Advocate	
Vick's Magazine	Vick's Magazine	American Poultry Advocate	Vick's Magazine	
Farmer's Voice	American Poultry Advocate	Green's Fruit Grower	Tribune Farmer	
Green's Fruit Grower	Green's Fruit Grower		Green's Fruit Grower	

### OTHER SPECIAL COMBINATIONS.

These offers give big value for the money and will furnish the best of reading matter for the whole family to same or separate addresses.

American Boy	1 yr.	\$1.00	Our Club	World To-day	1 yr.	\$1.00	Our Club	McCall's	1 yr.	\$1.50	Our Club
Housekeeper	1 "	.60	Price	Woman's Home Comp.	1 "	1.00	Price	Madam	1 "	1.00	Our Club
Vick's Magazine	1 "	.50	\$1.25	McCall's	1 "	.50	\$2.25	American Boy	1 "	1.00	Price
Green's Fruit Grower	1 "	.50		Green's Fruit Grower	1 "	.50		The Era	1 "	1.00	Price
House Beautiful	1 yr.	\$2.00	Our Club	Woman's Home Comp.	1 yr.	\$1.00	Our Club	Vick's Magazine	1 "	.50	\$3.50
Cosmopolitan	1 "	1.00	Price	Good Housekeeping	1 "	1.00	Price	Green's Fruit Grower	1 "	.50	
World To-day	1 "	1.00	\$2.50	Green's Fruit Grower	1 "	.50	\$1.25				
Green's Fruit Grower	1 "	.50		Woman's Home Comp.	1 yr.	\$1.00	Our Club	Frank Leslie's Pop. Mo.	1 yr.	\$1.00	Our Club
The Housekeeper	1 yr.	.60	Our Club	American Boy	1 "	1.00	Price	Housekeeper	1 "	.60	Price
Vick's Magazine	1 "	.50	Price	Vick's Magazine	1 "	.50		Farmer's Voice	1 "	.50	Price
Green's Fruit Grower	1 "	.50	60c.	Green's Fruit Grower	1 "	.50	\$1.50	Vick's Magazine	1 "	.50	\$1.75
								Green's Fruit Grower	1 "	.50	

## MAKE UP YOUR OWN COMBINATIONS.

If you do not find any combination above that suits you, make up any combination you wish from the following lists. Each publication will be sent one year to same or separate addresses

<b>CLASS A.</b>	Union Gospel News	<b>CLASS C.</b>	Green's Fruit Grower and any 1 Class A for .60, any 2 for .75, any 3 for \$1.00, any 4 for \$1.25.
American Farmer	Up-To-Date Farming		Green's Fruit Grower and any 1 Class B for .75, any 2 for \$1.00, any 3 for \$1.25, any 4 for \$1.50.
American Poultry Advocate	Woman's World		Green's Fruit Grower and any 1 Class C for \$1.00, any 2 for \$1.50, any 3 for \$2.00, any 4 for \$2.50.
Farm Journal	World's Events		Green's Fruit Grower and any 1 Class D for \$1.25, any 2 for \$2.00, any 3 for \$2.75, any 4 for \$3.50.
Farmer's Voice			Green's Fruit Grower and any 1 Class A and 1 Class B for .85.
Farmer's Wife			Green's Fruit Grower and any 1 Class A and 1 Class C for \$1.10.
Gentlewoman			Green's Fruit Grower and any 1 Class A and 1 Class D for \$1.35.
Good Stories	American Boy		Green's Fruit Grower and any 1 Class B and 1 Class C for \$1.25.
Happy Hours	Era Magazine		Green's Fruit Grower and any 1 Class B and 1 Class D for \$1.50.
Home Maker	Farm Poultry		Green's Fruit Grower and any 1 Class C and 1 Class D for \$1.75.
Metropolitan and Rural Home	Gleanings in Bee Culture		You may substitute any publication listed in Class A for any publication in any club on this page.
Missouri Valley Farmer	Good Health		
People's Popular Monthly	Indiana Farmer		
Poultry Herald	Ladies' World		
Poultry Keeper	Madam		
Poultry Success	National Magazine		
Poultry Tribune	Ohio Farmer		
Successful Farming	Pastor		
Vick's Magazine	Pilgrim		
Woman's Farm Journal	Practical Farmer		
Woman's Magazine	Prairie Farmer		
<b>CLASS B.</b>	<b>CLASS D.</b>		
Agricultural Epitome	American Agriculturist		
Commercial Poultry	Commoner		
Farm and Fireside	Cosmopolitan		
Farm and Home	Farm, Field and Fireside		
Farm Life	Frank Leslie's Popular Monthly		
	Good Housekeeping		
Game Fanciers Journal	Health		
Home and Flowers	Hoard's Dairyman		
Housekeeper	House Beautiful		
Journal of Agriculture (Includes World's Fair Art Album)	Nebraska Farmer		
Kimball's Dairy Farmer	New York Weekly Witness		
National Fruit Grower	Orange Judd Farmer		
Normal Instructor	Practical Farmer		
Ohio Poultry Journal	Success		
Reliable Poultry Journal	Table Talk		
Star Monthly	Twentieth Century Home		
The Farmer	Woman's Home Companion		
	World To-Day		

Enclose bank draft on New York, P. O. order or express money order, and your order will be filled at once. Individual checks will not be accepted. Make all remittances to Green's Fruit Grower, Rochester, N. Y.

Green's Fruit Grower, Rochester, N. Y., Gentlemen: Enclosed find \$..... for which send the following publications for one year to addresses given:

Name.....

St. or R. F. D.....

P. O.....

State.....



### Lines to My Wife on the 35th Anniversary of Our Wedding.

Do you mind, dear wife, the night we were wed—  
How the sleet came down—how dark over-head—  
How the old pines creaked in the breath of the East,  
As our friends came out to the wedding-feast?

Yes, dear was the night, but the hearth was warm,  
And we heeded not the wrath of the storm.  
What were it to us if the night were drear,  
While the dear "Old Home" was a nest of cheer?  
'Twas nothing to us—the shriek of the blast,  
For our hearts beat high, and the hours flew fast.

Shall I ever forget my "Lily"—my bride—  
As she came that night and stood by my side?  
Came like a Spirit direct from the skies  
With Heaven's own blue still fresh in her eyes?  
No, never, Dear One, "Till the sun grows cold  
And the leaves of the Judgment-book unfold!"

—A. M. D.

### From Mary Patton Hudson.

Written for Green's Fruit Grower.

A French "After Dinner."—Take two halves of light colored peach preserves, squeeze a few drops of lemon juice over them, dust with powdered sugar, and to each service a tablespoonful of fine brandy or whisky. It is delicious.

Another "After Dinner."—Take some syrup from preserved peaches, say two teaspoonfuls to each guest. If preferred, give it a red tone by means of carmine or red confection sugar. Place in fancy dishes of small size and pour over it a small amount of whisky or brandy. Cover with whipped cream just before serving.

Chicken Salad.—The chicken salad served by the majority of the best restaurants is made after this method. To one chicken, one and a half pound of veal, well cooked and chopped fine. If oil is not used, take one-fourth cup of fresh butter, the juice of one lemon and a small amount of vinegar, a little salt, cayenne pepper, one stalk of celery cut fine, and a half teaspoonful of celery seed. Place the salad on the table in a pretty dish garnished with celery, parsley leaves, hard boiled eggs, sliced, and a row of beets around the edge. Many housekeepers prefer to have the salad placed upon the table to be served by themselves.

Home Life.—I know of no subject of greater importance than that of home and home life. Almost everything of interest to the individual, to the nation and to the world is bound up in home life. If the home life of a nation is vicious, or not what it should be, the nation can never rise to an exalted position. Home to many people is simply a place where they eat and sleep. Home should be a place where the father, mother and children can enjoy themselves better than any other place on earth. The attractive feature of most homes is that there is no formality, no stiffness, no forms of etiquette to interfere with comfort. Possibly in some homes there is not formality enough. No home is complete without children. It is sad for parents whose homes have been filled with the laughter of many children to look forward to the time when these children will be scattered over the world and the old people left alone, but even then they can keep their home bright. If they cannot do so by making it a refuge for relatives who have been distressed they can adopt needy children and thus brighten their homes.

In some homes the kitchen only is used daily. A large portion of the house is unoccupied and closed, as is the parlor. This is a mistake. Throw open the whole house so that every member of the family can enjoy it. Even the attic may be made an attractive place for the children. Surround the home outside and inside with attractive things. Introduce as many games as possible, and as many musical instruments as you can afford. Subscribe for many periodicals. Study how to make the home an ideal place of rest, refuge and enjoyment for yourself, your children, your friends and relatives.

An oven has been devised by an electrical expert of France which not only roasts and bakes, but turns the spit as well. The ordinary grate is turned into a small electric furnace, with heat radiating as from a coal fire. Sauce pans are electrically connected and the cook can boil, bake and roast without more trouble than simply switching on the current.

There is no place like home—according to the glowing description given by a man who is trying to dispose of it.

### A Story of Gold.

Silas Marner had been harshly treated by the world and was embittered in spirit, thus he held himself aloof and hardened his heart. Instead of bestowing money upon churches and charity he hoarded it. At night he would barricade his doors and windows and uncover the opening in the floor in which he kept his wealth, and gloat over the gold as he moved it from hand to hand, or as he piled it up before him. One night he proceeded to enjoy the greatest pleasure of his life, the handling of his gold, but on opening the box he found that it was gone. Some one had broken into the house during his absence and had carried away every dollar. Silas Marner was almost crazy with grief at the loss of his wealth, which to him was everything. He rushed bareheaded and partially clothed out into the darkness not knowing why, or whence he was going. He wandered aimlessly about during the night and returning in the morning found seated in his house a little girl with golden hair. In his half crazed condition he thought of his gold when he saw the child's beautiful hair. The child was not frightened at his approach but seemed to welcome him. From that moment Silas Marner's life was changed. He had lost his gold but he had found something better; he had found something to work for, something to live for, he had gone out beyond himself, beyond his own selfish desires and was living for another. His sole aim in life now was to make this child happy. He sacrificed everything for her welfare. By hard work he earned money to give her an education and every advantage possible. Thus she grew into a beautiful woman, loved by all and he was beloved by her.

One day there appeared at the door of Silas Marner's house an elegant coach drawn by two beautiful horses driven by a liveried coachman. From the door of this coach stepped a well dressed man who, approaching Silas Marner, told him that the child he had cared for and loved was his own; he was her father. Silas carried this message to the girl who refused to leave him, whom she had found her true friend and benefactor.

On the grounds of Silas Marner was an abandoned well which had not been used for many years. For some reason it was decided to clear out the rubbish of this old well and when the work was well in hand there came up from the dark depths below portions of a skeleton of a man (the robber), and later there came up with the debris coins of gold. When the well was thoroughly cleared there lay upon the green grass all of Silas Marner's former wealth, every dollar had been reclaimed.

The women of America, unlike the women of other nations may follow any pursuit which they show themselves capable of following. To-day 5,000,000 of women are employed in the United States in 400 different wage-earning occupations. It is not necessary to argue as to whether women should be wage-earners; we accept the conditions, for the reason that women workers are everywhere about us, side by side with the men-workers, equally respected. To men and women alike work is a natural heritage. The field of work opened to women has no boundaries, there is a bewildering choice, yet a woman's principal work, or her means of earning a livelihood is not always left to her choosing. If it were, would she till the soil? For instance, take a small plot of ground and raise violet for the florists? flowers for seeds for the seedmen? mushrooms, vegetables, fruit, or poultry for the market? or would she undertake to run a dairy-farm, or to manage a Western ranch, raising grain or cattle?

Apples are useful in nervous dyspepsia; they are nutritious, medicinal and vitalizing; they aid digestion, clear the voice, correct the acidity of the stomach and are valuable in rheumatism, insomnia and liver troubles. An apple contains as much nutriment as a potato, in a pleasanter and more wholesome form. Grapes dissolve and dislodge gravel and calculi and bring the stomach and bowels to a healthy condition.

Pleasant is wholesome and aperient; is excellent for rheumatic sufferers, and useful for purifying the blood.—House-keeping.

A glue ready for use is made by adding to any quantity of glue common whiskey, instead of water. Put both together in a bottle, cork it tight and set it for three or four days, when it will be fit for use without the application of heat.

"No," said Farmer Cornloss to the summer boarder, "I don't believe all I see in the newspapers."

"Why not?"

"Well, you see, I've advertised all the comforts of home a few times myself."—Hoboken Observer.

# EARN \$100.00 IN GOLD

## BY HELPING TO EDIT GREEN'S FRUIT GROWER

### EACH COMPETITOR IS SURE TO EARN SOMETHING



Sampling Fruit is a pleasant pastime. Have you fine fruit to sample on your place?

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This is the season for renewing subscriptions for GREEN'S FRUIT GROWER.

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We will allow each new or old subscriber 20 cents for a clipping or scrap cut from any paper, magazine, book or circular, naming the source. Send to us the clipping with 30 cents

in postage stamps, coin or postal money order (no personal check accepted), and this with the 20 cents allowed you for the clipping you send will pay for your subscription to GREEN'S FRUIT GROWER one year without premium.

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Will be given to the person sending us the clipping which is deemed best, that is the clipping that is most helpful, most suggestive, or the one which appeals strongest to the hearts of mankind. "All the world is kin." Clipping may be poetry, story, essay, or helpful suggestions on any topic.

Prof. H. E. Van Deman

Our Associate Editor

FORMERLY U. S. POMOLOGIST,

will be asked to decide which clipping is best.



### This Contest Closes Soon

Do not delay in sending in your offerings. The earliest ones received on this offer will get GREEN'S POULTRY BOOK, by mail, for promptness. Remember that every subscriber who responds is sure of the 20 cents reward, and some one of the number will receive \$100.00 in gold.

Use the coupon attached below. Address

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Rochester, N. Y.

To the Publishers of "GREEN'S FRUIT GROWER," Rochester, N. Y.

I enclose clipping (selection or scrap) from \_\_\_\_\_  
(name paper or book.) I also enclose 30 cents. This pays for one subscription to GREEN'S FRUIT GROWER one year, on your offer to allow 20 cents for the clipping. This also entitles me to \$100 in gold if the clipping I send is deemed the best of those sent in.

Name,

(SIGN HERE)

Post Office,

County,

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F. W. Parkhurst, the Boston publisher, says that if any one afflicted with rheumatism in any form, or neuralgia, will send their address to him at 804-17 Winthrop Building, Boston, Mass., he will direct them to a perfect cure. He has nothing to sell or give; only tells you how he was cured after years of search for relief. Hundreds have tested it with success.

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Please mention Green's Fruit Grower.

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Where we have no agent we will send free: \$1.00 Box of Wilbur's Stock Food, 25c package of Wilbur's Hog Food, 25c package of Wilbur's Poultry Food, 25c package of Wilbur's Louse Killer. We want resident agents in every locality where not already represented, and offer you an unusual opportunity to make from Twenty-Five to Fifty Dollars a Week. **Wilbur Stock Food Co., 35 East Street, Milwaukee, Wis.** Ask Publishers or your Banker of our responsibility.

## Good Cheer Department.

### THE BLESSING OF A FRIEND

Commend me to the friend that comes  
When I am sad and lone,  
And makes the anguish of my heart  
The suffering of his own:  
Who coldly shuns the glittering throng  
At pleasure's gay levee,  
And comes to glid a somber hour  
And give his heart to me.  
He hears me count my sorrows o'er,  
And when the task is done  
He freely gives me all I ask—  
A sigh for every one.  
He cannot wear a smiling face  
When mine is touched with gloom;  
But like the violet, seeks to cheer  
The midnight with perfume.  
He flies not with the flitting stork,  
That seeks a Southern sky,  
But lingers where the wounded bird  
Hath laid him down to die.  
Oh, such a friend! He is in truth,  
Whate'er his lot may be,  
A rainbow on the storm of life.  
An anchor on its sea.  
—Springfield Republican.

Now rest, my heart!  
Canst thou by fretting keep the day  
From sleeping in the arms of night,  
Or make one sunbeam longer stay,  
Or bring one clouded star in sight?  
Thou canst not keep life's pain away  
From that soul dearer than thine own.  
But thou canst trust each sorrow may  
Bring blossoms where thorns might have grown;

Now rest, my heart!  
Two angels wait to give thee peace;  
Remembrance with past blessings brings  
Assurance that good will not cease;  
Forgetfulness hath healing wings  
These will thy true companions be,  
And hearts with burdens more than thine  
May feel the love that shelters thee,  
And seek the rest that is divine;  
Then rest, my heart!  
—Myra Goodwin Plantz.

Say not "welcome" when I come,  
Say not "farewell" when I go,  
For I come not when I come  
And I go not when I go.  
For a welcome ne'er I'd give you  
And farewell would never say,  
In my heart I'm always with you,  
Always will be every day.  
—From the German.

The keynote of life's harmony is sacrifice.  
Not twice, or thrice,  
Beneath each sun will souls bow down  
To lay the crown  
Of will, or time, beneath strange feet.  
But many times, that life's chords may be  
Sweet.  
Who sacrifices most  
Drinks deepest life's rich strain, counting  
no cost,  
But giving self on every side,  
Daily and hourly, sanctified  
But in the giving.

Just for To-day.—There are people who look out with gloomy eyes upon their life work. But the question is, can I manage the work before me to-day? If I can I should do this day's work and not worry about other days' work that are to come. I should do the work of to-day believing that the rest I will get to-night will prepare me for another day's work, and thus the days and the years go on. But if I am planning to-day for the work of 365 days, or the work of 25,000 days which I may live, I will become as tired as did the old clock that on estimating the number of times it had to tick during the year stopped short in its labors.

Have Patience.—Editor Green's Fruit Grower: We are becoming more perfect but by contrast seem to be growing more hideous. We need to observe more closely and not to form hasty and inaccurate opinions. Civilization is not ephemeral; it is the result of unnumbered ages of growth and development. It has not yet reached its climax. It will not recede while there is a chance for improvement.

Have patience. Character changes, but slowly. Man's progress to his present estate has been slow and tortuous, and it is probable that future progress will also be slow, "slow but sure," but as the avalanche gathers speed as it proceeds, so human progress will go on with constantly increasing rapidity. Its course cannot be changed, nor can it be much delayed; it is irresistible, as certain as the rising and setting of the sun, or the succession of seasons. Don't be so pessimistic. Have more faith in the triumph of right, in the future of man. Conditions are bad to-day; they were worse in the past; they will be better in the future. The world, while there is a great deal of room for improvement, is not so bad after all. "It's a world full of hearts," said Doctor Jeddier, "and a serious world, with all its folly; and it is a world on which the sun never rises but it looks upon a thousand bloodless battles that are some set-off against the miseries and wickedness of battlefields; and it is a world we need be careful how we libel. Heaven forgive us, for it is a world of sacred mysteries, and its Creator only knows what lies beneath the surface of His highest image!"  
—George B. Ferris.

"O! Nutmeg's" Sayings.  
BY JOE CONE  
Written for Green's Fruit Grower.



Settin' on a nail kalg won't hol' down the price uv nails.

Farmin' would pay better ef farmers would pay more 'tention tew farmin'.

The milk uv human kindness would go further ef it warn't skimmed so of'n.

A rustler is a mighty proud bird tell one comes erlong thet is prouder.

It is better tew buy a pig in a bag than tew git nothin' at all for your money.

The av'rage hoss ain't so 'feared uv the autermobile ez he is uv losin' his job.

Theys nothin' thet will show up human natur' like a good, clus game uv croquet.

It's a good idee tew lay up somethin' fur a rainy day ef it's nothin' more than an ol' umbrella.

Hens wouldn't wander so fur from home ef the ol' rustler didn't coax 'em erlong.

Note the way a dorg hengs tew a root an' yew'll see haow men succeed in life.

What man hez done man may dew don't hev any connection with the man who hez been done.

Ef yewr hens git thet livin' on some one else's land yew orter hand over a dozen uv algs once in a while.

D. L. Dunlap of Ohio asked about the origin of seedling fruits and whether the size, flavor and productiveness could not be improved by cultivation, fertilization and by pruning and thinning.

Reply: Yes, improvements can be made in fruits by cultivation, enriching the soil, by pruning and thinning, but why should we bother with naturally poor varieties and attempt to improve those by these methods when we could get so much better results from the best varieties? The tendency of seedlings is to retrograde, or to produce poorer fruits than the parents. Possibly one in a thousand or ten thousand seedlings might produce larger and better fruit.

Eva—Your father doesn't object to that young man coming up and sitting every other evening, does he?

Edna—I should say not. He sent up a ton of coal and alway brings a pocket electric lamp that sufficiently lights the parlor without gas.—Chicago "News."

## THE "LOU DILLON" TANDEM GARDEN CULTIVATOR

The greatest "Time saving" garden tool ever invented. Built for **MORE SPEED** with **BETTER WORK.** Teeth changed from 8-inch to 16-inch row (or to any width between) **IN AN INSTANT.** Shallow, medium, or deep cultivation obtained from **A SIMPLE MOVEMENT** of the foot. Works the soil at an **EVEN DEPTH** all down the row. No hit and miss, and **KEEPS GOING.** At least **ONE-THIRD** quicker than any other garden cultivator on earth. Easier to push than a lawn mower. A woman can push it. No gardener can afford to be without one of our time savers. **Simple.** Built for the **Big Gardener** and the **Little Gardener.** The Strawberry Grower's best friend. Used for any garden crop. No wrench needed. Ask for descriptive catalog and terms.



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**\$10.30 NEW STEEL RANGE.**

FOR \$10.30 we will sell this new, handsome, nickel trimmed, 1908 model, square steel range (with reservoir or closet, as illustrated, a trifle extra). For full particulars, how we make our steel ranges thicker, heavier, stronger, handsomer and better than any other ranges made in the world; for our three months' free trial offer, safe delivery guarantee, pay after received terms; for picture of our foundry, the largest stove foundry in the world, cut out and return this ad. and our Free Stove Catalogue of everything in steel and cast iron stoves and ranges will be mailed at once. With our Free Stove Catalogue you get the most astonishing stove offer ever heard of. Address **SEARS, ROEBUCK & CO., CHICAGO, ILL.** Please mention Green's Fruit Grower.

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For ten years we have been using a simple, harmless preparation which will make any upper plate tight. Send for circular. **Dental Specialty Co., 33 Main St., Mt. Morris, N. Y.**

**FREE** We pay the freight. This elegant full size Oak or Mahogany Rocker will be given free, say lady who will take orders for in one of our beautiful China Fruit Baskets, all hand-trimmed, with floral decorations. No trouble to take orders this way. No money required in advance. Simply send your name and address & we will send you our plan, order blank, etc. We will allow you time to deliver the Baking Powder & collect the money before paying us. You run no risk, as we pay the freight, and will trust you with the Baking Powder, Rocker, etc. **KLING MFG. CO., 764 King Building, St. Louis, Mo.**

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### Lines to My Wife on the 35th Anniversary of Our Wedding.

Do you mind, dear wife, the night we were wed—  
How the sleet came down—how dark over-head—  
How the old pines creaked in the breath of the East,  
As our friends came out to the wedding-feast?

Yes, dear was the night, 'but the hearth was warm,  
And we heeded not the wrath of the storm.  
What were it to us if the night were drear,  
While the dear "Old Home" was a nest of cheer?

'Twas nothing to us—the shriek of the blast,  
For our hearts beat high, and the hours flew fast.

Shall I ever forget my "Lily"—my bride—  
As she came that night and stood by my side?  
Came like a Spirit direct from the skies  
With Heaven's own blue still fresh in her eyes?  
No, never, Dear One, "Till the sun grows cold  
And the leaves of the Judgment-book unfold!"

—A. M. D.

### From Mary Patton Hudson.

Written for Green's Fruit Grower.

A French "After Dinner."—Take two halves of light colored peach preserves, squeeze a few drops of lemon juice over them, dust with powdered sugar, and to each service a tablespoonful of fine brandy or whisky. It is delicious.

Another "After Dinner."—Take some syrup from preserved peaches, say two teaspoonfuls to each guest. If preferred, give it a red tone by means of carmine or red confection sugar. Place in fancy dishes of small size and pour over it a small amount of whisky or brandy. Cover with whipped cream just before serving.

Chicken Salad.—The chicken salad served by the majority of the best restaurants is made after this method. To one chicken, one and a half pound of veal, well cooked and chopped fine. If oil is not used, take one-fourth cup of fresh butter, the juice of one lemon and a small amount of vinegar, a little salt, cayenne pepper, one stalk of celery cut fine, and a half teaspoonful of celery seed. Place the salad on the table in a pretty dish garnished with celery, parsley leaves, hard boiled eggs, sliced, and a row of beets around the edge. Many housekeepers prefer to have the salad placed upon the table to be served by themselves.

Home Life.—I know of no subject of greater importance than that of home and home life. Almost everything of interest to the individual, to the nation and to the world is bound up in home life. If the home life of a nation is vicious, or not what it should be, the nation can never rise to an exalted position. Home to many people is simply a place where they eat and sleep. Home should be a place where the father, mother and children can enjoy themselves better than any other place on earth. The attractive feature of most homes is that there is no formality, no stiffness, no forms of etiquette to interfere with comfort. Possibly in some homes there is not formality enough. No home is complete without children. It is sad for parents whose homes have been filled with the laughter of many children to look forward to the time when these children will be scattered over the world and the old people left alone, but even then they can keep their home bright. If they cannot do so by making it a refuge for relatives who have been distressed they can adopt needy children and thus brighten their homes.

In some homes the kitchen only is used daily. A large portion of the house is unoccupied and closed, as is the parlor. This is a mistake. Throw open the whole house so that every member of the family can enjoy it. Even the attic may be made an attractive place for the children. Surround the home outside and inside with attractive things. Introduce as many games as possible, and as many musical instruments as you can afford. Subscribe for many periodicals. Study how to make the home an ideal place of rest, refuge and enjoyment for yourself, your children, your friends and relatives.

An oven has been devised by an electrical expert of France which not only roasts and bakes, but turns the spit as well. The ordinary grate is turned into a small electric furnace, with heat radiating as from a coal fire. Sauce pans are electrically connected and the cook can boil, bake and roast without more trouble than simply switching on the current.

There is no place like home—according to the glowing description given by a man who is trying to dispose of it.

### A Story of Gold.

Silas Marner had been harshly treated by the world and was embittered in spirit, thus he held himself aloof and hardened his heart. Instead of bestowing money upon churches and charity he hoarded it. At night he would barricade his doors and windows and uncover the opening in the floor in which he kept his wealth, and gloat over the gold as he moved it from hand to hand, or as he piled it up before him. One night he proceeded to enjoy the greatest pleasure of his life, the handling of his gold, but on opening the box he found that it was gone. Some one had broken into the house during his absence and had carried away every dollar. Silas Marner was almost crazy with grief at the loss of his wealth, which to him was everything. He rushed bareheaded and partially clothed out into the darkness not knowing why, or whence he was going. He wandered aimlessly about during the night and returning in the morning found seated in his house a little girl with golden hair. In his half crazed condition he thought of his gold when he saw the child's beautiful hair. The child was not frightened at his approach but seemed to welcome him. From that moment Silas Marner's life was changed. He had lost his gold but he had found something better; he had found something to work for, something to live for, he had gone out beyond himself, beyond his own selfish desires and was living for another. His sole aim in life now was to make this child happy. He sacrificed everything for her welfare. By hard work he earned money to give her an education and every advantage possible. Thus she grew into a beautiful woman, loved by all and he was beloved by her.

One day there appeared at the door of Silas Marner's house an elegant coach drawn by two beautiful horses driven by a liveried coachman. From the door of this coach stepped a well dressed man who, approaching Silas Marner, told him that the child he had cared for and loved was his own; he was her father. Silas carried this message to the girl who refused to leave him, whom she had found her true friend and benefactor.

On the grounds of Silas Marner was an abandoned well which had not been used for many years. For some reason it was decided to clear out the rubbish of this old well and when the work was well in hand there came up from the dark depths below portions of a skeleton of a man (the robber), and later there came up with the debris coins of gold. When the well was thoroughly cleared there lay upon the green grass all of Silas Marner's former wealth, every dollar had been reclaimed.

The women of America, unlike the women of other nations may follow any pursuit which they show themselves capable of following. To-day 5,000,000 of women are employed in the United States in 400 different wage-earning occupations. It is not necessary to argue as to whether women should be wage-earners; we accept the conditions, for the reason that women workers are everywhere about us, side by side with the men-workers, equally respected. To men and women alike work is a natural heritage. The field of work opened to women has no boundaries, there is a bewildering choice, yet a woman's principal work, or her means of earning a livelihood is not always left to her choosing. If it were, would she till the soil? For instance, take a small plot of ground and raise violet for the florists? flowers for seeds for the seedmen? mushrooms, vegetables, fruit, or poultry for the market? or would she undertake to run a dairy-farm, or to manage a Western ranch, raising grain or cattle?

Apples are useful in nervous dyspepsia; they are nutritious, medicinal and vitalizing; they aid digestion, clear the voice, correct the acidity of the stomach and are valuable in rheumatism, insomnia and liver troubles. An apple contains as much nutriment as a potato, in a pleasanter and more wholesome form. Grapes dissolve and dislodge gravel and calculi and bring the stomach and bowels to a healthy condition.

Pie-plant is wholesome and aperient; is excellent for rheumatic sufferers, and useful for purifying the blood.—House-keeping.

A glue ready for use is made by adding to any quantity of glue common whiskey, instead of water. Put both together in a bottle, cork it tight and set it for three or four days, when it will be fit for use without the application of heat.

"No," said Farmer Cornstossel to the summer boarder, "I don't believe all I see in the newspapers."

"Why not?"  
"Well, you see, I've advertised all the comforts of home a few times myself."—Hoboken Observer.

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## BY HELPING TO EDIT

# GREEN'S FRUIT GROWER

## EACH COMPETITOR IS SURE TO EARN SOMETHING



Sampling Fruit is a pleasant pastime. Have you fine fruit to sample on your place?

The frost is on the pumpkin and the corn is in the shock. You will need reading for the long winter evenings.

This is the season for renewing subscriptions for GREEN'S FRUIT GROWER.

### Here is Green's Proposition to You

We will allow each new or old subscriber 20 cents for a clipping or scrap cut from any paper, magazine, book or circular, naming the source. Send to us the clipping with 30 cents

in postage stamps, coin or postal money order (no personal check accepted), and this with the 20 cents allowed you for the clipping you send will pay for your subscription to GREEN'S FRUIT GROWER one year without premium.

## The \$100.00 Gold Prize

Will be given to the person sending us the clipping which is deemed best, that is the clipping that is most helpful, most suggestive, or the one which appeals strongest to the hearts of mankind. "All the world is kin." Clipping may be poetry, story, essay, or helpful suggestions on any topic.

Prof. H. E. Van Deman

Our Associate Editor

FORMERLY U. S. POMOLOGIST,

will be asked to decide which clipping is best.



### This Contest Closes Soon

Do not delay in sending in your offerings. The earliest ones received on this offer will get GREEN'S POULTRY BOOK, by mail, for promptness. Remember that every subscriber who responds is sure of the 20 cents reward, and some one of the number will receive \$100.00 in gold.

Use the coupon attached below. Address

Green's Fruit Grower,

Rochester, N. Y.

To the Publishers of "GREEN'S FRUIT GROWER," Rochester, N. Y.

I enclose clipping (selection or scrap) from \_\_\_\_\_ (name paper or book.) I also enclose 30 cents. This pays for one subscription to GREEN'S FRUIT GROWER one year, on your offer to allow 20 cents for the clipping. This also entitles me to \$100 in gold if the clipping I send is deemed the best of those sent in.

Name,

(SIGN HERE)

Post Office,

County,

State.



# THIS WILL INTEREST MANY.

F. W. Parkhurst, the Boston publisher, says that if any one afflicted with rheumatism in any form, or neuralgia, will send their address to him at 804-17 Winthrop Building, Boston, Mass., he will direct them to a perfect cure. He has nothing to sell or give; only tells you how he was cured after years of search for relief. Hundreds have tested it with success.

## ICE CUTTING

is easy with **PORCH ALL STEEL, DOUBLE-ROW ICE FLOWS.** Marks and cuts two rows at a time; cuts any size cake and any depth, and does it with ease and economy. Does the work of twenty men sawing by hand. Pays for itself in two days. No farmer, dairyman, hotel man or other can afford to be without it. Ask for catalogue and introductory prices. John Dorsch & Sons, 280 W. 1st St., Milwaukee, Wis.



## MADE \$1725

In spare time and home country. You may do as well. Orders come fast for the **"Kant-Klog" Sprayer** with new spring shut-off. Catch a good thing quick. Write for free sample plan and full particulars. Rochester Spray Pump Co., 10 East Ave., Rochester, N.Y.

Please mention Green's Fruit Grower.

## CREAM SEPARATOR FREE

This is a genuine offer made to introduce the Peoples Cream Separator in every neighborhood. It is the best and simplest in the world. We ask that you show it to your neighbors who have cows. Send your name and the name of the nearest freight office. Address **PEOPLES SUPPLY CO., DEPT. 127, KANSAS CITY, MO.**

## SAN JOSE SCALE and other INSECTS killed by GOOD'S

**Caustic Potash Whale-Oil Soap No. 3** Endorsed by U. S. Dept. of Agri. and State Experiment Stations. This soap is a Fertilizer as well as an insecticide. 50-lb. keg, \$2.50; 100-lb. keg, \$4.50; half barrel, \$7.00; 5-gal. pail, \$1.00. Send for booklet. JAMES GOOD, Original Maker, 959-51 N. Front Street, Philadelphia, Pa.

## 850,000 GRAPE VINES

35 Varieties. Also Small Fruits, Trees, etc. Best stock. Genuine, cheap. Sample vines mailed for 10c. Descriptive price-list free. **LEWIS HESSEN, TRENTON, N.J.**

## FENCE STRONGEST MADE, Built strong chicken-tight. Sold to the Farmer at Wholesale prices. Catalog free. COILED SPRING FENCE CO., Box 330, 100 Winchester, Indiana.

## FREE

We give you this grand solo Accordion for selling 35 packages. It's a beauty. Has 10 keys, two stops, ebonized case, double bellows, protectors and claps. You can earn it in one day. Homonym required; we trust you. Send for Biting, sell the packages at 10c each, and return us the money. Then we will send you the Accordion. We also give Violins, Guitars, Mandolins, Graphophones, and 50 Other Elegant Presents. Write quick. Address **TRUE BLUE CO., DEPT. 197, BOSTON, MASS.**

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Knuckle Joint & Screw Presses, Graters, Elevators, Pumps, etc. Send for Catalogue. **Boomer & Boschert Press Co., 347 W. Water St., Syracuse, N. Y.**

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Learn how to make them earn money for you. Read *Gleanings in Bee Culture* (a month's trial free). It will show you how easily, how quickly, you can learn to handle bees; how to get the honey fastest. 6 Nos. 25c. **GLEANINGS IN BEE CULTURE** is edited by experts. Experienced contributors make its articles authoritative. 9,000 bee-keepers read it because they make money following its teachings. You can do the same. Last copy is yours. Just write for it. Read it. Then send 5c for a month's trial. Do it now. **A. I. Root Company, P.O. Box 230, Medina, O.**

## 4 PACKAGES FREE FULL SIZE \$1.75 VALUE

Where we have no agent we will send free: \$1.00 Box of Wilbur's Stock Food, 25c package of Wilbur's Hog Food, 25c package of Wilbur's Poultry Food, 25c package of Wilbur's Louse Killer. We want resident agents in every locality where not already represented, and offer you an unusual opportunity to make from Twenty-Five to Fifty Dollars a Week. **Wilbur Stock Food Co., 25 2nd Street, Milwaukee, Wis.** Ask Publishers or your Banker of our responsibility.

## Good Cheer Department.

### THE BLESSING OF A FRIEND

Commend me to the friend that comes  
When I am sad and lone,  
And makes the anguish of my heart  
The suffering of his own;  
Who coldly shuns the glittering throng  
At pleasure's gay levee,  
And comes to glid a somber hour  
And give his heart to me.  
He hears me count my sorrows o'er,  
And when the task is done  
He freely gives me all I ask—  
A sign for every one.  
He cannot wear a smiling face  
When mine is touched with gloom;  
But like the violet, seeks to cheer  
The midnight with perfume.  
He flies not with the flitting stork,  
That seeks a Southern sky,  
But lingers where the wounded bird  
Hath laid him down to die.  
Oh, such a friend! He is in truth,  
Whate'er his lot may be,  
A rainbow on the storm of life.  
An anchor on its sea.  
—Springfield Republican.

Now rest, my heart!  
Canst thou be fretting keep the day  
From sleeping in the arms of night,  
Or make one sunbeam longer stay,  
Or bring one clouded star in sight?  
Thou canst not keep life's pain away  
From that soul dearer than thine own,  
But thou canst trust each sorrow may  
Bring blossoms where thorns might have  
grown.  
Now rest, my heart!

Two angels wait to give thee peace;  
Remembrance with past blessings brings  
Assurance that good will not cease;  
Forgetfulness hath healing wings  
These will thy true companions be,  
And hearts with burdens more than thine  
May feel the love that shelters thee,  
And seek the rest that is divine;  
Then rest, my heart!  
—Myra Goodwin Plantz.

Say not "welcome" when I come,  
Say not "farewell" when I go,  
For I come not when I come  
And I go not when I go.  
For a welcome ne'er I'd give you  
And farewell would never say,  
In my heart I'm always with you,  
Always will be—every day.  
—From the German.

The keynote of life's harmony is sacrifice.  
Not twice, or thrice,  
Beneath each sun will souls bow down  
To lay the crown  
Of will, or time, beneath strange feet,  
But many times, that life's chords may be  
sweet.

Who sacrifices most  
Drinks deepest life's rich strain, counting  
no cost,  
But giving self on every side,  
Daily and hourly, sanctified  
But in the giving.

Just for To-day.—There are people who look out with gloomy eyes upon their life work. But the question is, can I manage the work before me to-day? If I can I should do this day's work and not worry about other days' work that are to come. I should do the work of to-day believing that the rest I will get to-night will prepare me for another day's work, and thus the days and the years go on. But if I am planning to-day for the work of 365 days, or the work of 25,000 days which I may live, I will become as tired as did the old clock that on estimating the number of times it had to tick during the year stopped short in its labors.

Have Patience.—Editor Green's Fruit Grower: We are becoming more perfect but by contrast seem to be growing more hideous. We need to observe more closely and not to form hasty and inaccurate opinions. Civilization is not ephemeral; it is the result of unnumbered ages of growth and development. It has not yet reached its climax. It will not recede while there is a chance for improvement.

Have patience. Character changes, but slowly. Man's progress to his present estate has been slow and tortuous, and it is probable that future progress will also be slow, "slow but sure," but as the avalanche gathers speed as it proceeds, so human progress will go on with constantly increasing rapidity. Its course cannot be changed, nor can it be much delayed; it is irresistible, as certain as the rising and setting of the sun, or the succession of seasons. Don't be so pessimistic. Have more faith in the triumph of right, in the future of man. Conditions are bad to-day; they were worse in the past; they will be better in the future. The world, while there is a great deal of room for improvement, is not so bad after all. "It's a world full of hearts," said Doctor Jeddler, "and a serious world, with all its folly; and it is a world on which the sun never rises but it looks upon a thousand bloodless battles that are some set-off against the miseries and wickedness of battlefields; and it is a world we need be careful how we libel. Heaven forgive us, for it is a world of sacred mysteries, and its Creator only knows what lies beneath the surface of His highest image!"  
—George B. Ferris.

## "Ol' Nutmeg's" Sayings.

BY JOE CONE  
Written for Green's Fruit Grower.



Settin' on a nail kaig won't hol' down the price uv nails.

Farmin' would pay better ef farmers would pay more 'tention tew farmin'.

The milk uv human kindness would go further ef it warn't skimmed so of'n.

A rustler is a mighty proud bird tell one comes erlong that is prouder.

It is better tew buy a pig in a bag than tew git nothin' at all for your money.

The av'rage hoss ain't so 'feared uv the autermobile ez he is uv losin' his job.

They's nothin' thet will show uv human natur' like a good, clus game uv croquet.

It's a good idee tew lay up somethin' fur a rainy day ef it's nothin' more than an ol' umbrella.

Hens wouldn't wander so fur frum home ef the ol' rustler didn't coax 'em erlong.

Note the way a dorg henga tew a root an' yew'll see haow men succeed in life.

What man hez done man may dew don't hev any connection with the man who hez been done.

Ef yew'r hens git their livin' on some one else's land yew orter hand over a dozen uv algs once in a while.

D. L. Dunlap of Ohio asked about the origin of seedling fruits and whether the size, flavor and productiveness could not be improved by cultivation, fertilization and by pruning and thinning.

Reply: Yes, improvements can be made in fruits by cultivation, enriching the soil, by pruning and thinning, but why should we bother with naturally poor varieties and attempt to improve those by these methods when we could get so much better results from the best varieties? The tendency of seedlings is to retrograde, or to produce poorer fruits than the parents. Possibly one in a thousand or ten thousand seedlings might produce larger and better fruit.

Eva—Your father doesn't object to that young man coming up and sitting every other evening, does he?

Edna—I should say not. He sent up a ton of coal and alway brings a pocket electric lamp that sufficiently lights the parlor without gas.—Chicago "News."

## THE "LOU DILLON" TANDEM GARDEN CULTIVATOR

The greatest "Time saving" garden tool ever invented. Built for **MORE SPEED** with **BETTER WORK.** Teeth changed from 8-inch to 16-inch row (or to any width between) **IN AN INSTANT.** Shallow, medium, or deep cultivation obtained from **A SIMPLE MOVEMENT** of the foot. Works the soil at an **EVEN DEPTH** all down the row. No hit and miss, and **KEEPS GOING.** At least **ONE-THIRD** quicker than any other garden cultivator on earth. Easier to push than a lawn mower.

A woman can push it. No gardener can afford to be without one of our time savers. Simple. Built for the Big Gardener and the Little Gardener. The Strawberry Grower's best friend. Used for any garden crop. No wrench needed. Ask for descriptive catalog and terms.

THE SHAIBLE MFG. CO., DEPT. D, ELYRIA, OHIO.



## A SAVINGS BANK ON WHEELS

### \$10.30 NEW STEEL RANGE.

FOR \$10.30 we will sell this new, handsome, nickel trimmed, 1908 model, square steel range (with reservoir or cleat, as illustrated, a trifle extra). For full particulars, how we make our steel ranges thicker, heavier, stronger, handsomer and better than any other ranges made in the world; for our three months' free trial offer, safe delivery guarantee, pay after received terms; for picture of our foundry, the largest stove foundry in the world, cut-out and return this ad, and our Free Stove Catalogue of everything in steel and cast iron stoves and ranges will be mailed at once. With our Free Stove Catalogue you get the most astonishing stove offer ever heard of. Address **SEARS, ROEBUCK & CO., CHICAGO, ILL.** Please mention Green's Fruit Grower.

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## Loose False Teeth MADE PERFECTLY TIGHT

For ten years we have been using a simple, harmless preparation which will make any upper plate tight. Send for circular. **Dental Specialty Co., 334 Main St., Mt. Morris, N. Y.**

## FREE

We pay the freight. This elegant full size Oak or Mahogany Rocker will be given free, any lady who will take orders for 10 ones of our Columbia Baking Powder from her friends or neighbors. To every one who gives you an order, you are to give free of charge a beautiful China Teacup, 7 pieces, all gold trimmed, with floral decorations. No trouble to take orders this way. No money required in advance. Simply send your name and address & we will send you our plan, order blank, etc. We will allow you time to deliver the Baking Powder & collect the money before paying us. You run no risk, as we pay the freight, and will trust you with the Baking Powder, Rocker, etc. **EDNA MFG. CO., 764 King Building, St. Louis, Mo.**

\$20.00 Up.	Catalogue FREE.
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\$20.00 Up.	Cash or Credit.

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Balance \$5. a month. Warranted for 3 years.

We trust honest people located in all parts of the world. Cash or easy monthly payments. Write for free catalogue.

## CENTURY MFG. CO.,

Dept. 296 East St. Louis, Ill.





The above represents a view of the raspberry plantation on the grounds of D. H. Muchow, of Erie county, N. Y., at berry picking time. This is a large field well covered with luxuriant growth which gives evidence of great productiveness and large profits. A raspberry bush will continue productive for many years after planting if it receives proper attention. But a raspberry is not like a grape. The grape, if properly pruned, will continue to bear fine fruit for a lifetime, or a generation or longer. Raspberry plantations must be renewed usually after they have borne from four to six crops.

## Our Small Fruit Department

**Pruning Blackberries and Raspberries.**—Blackberries and raspberries bear their fruit on summer shoots arising from winter buds on one-year-old wood, says National Rural. After a cane has borne one crop it dies, and is of no more use to the plant. Its place is taken by new canes arising from the root. Each year while the plant is maturing a crop of fruit it is at the same time producing new canes, which will bear the next year's crop.

The pruning of these fruits consists of four distinct operations: (1) Removing superfluous shoots from the base of the plant, so that there will not be too many canes in a hill. (2) Summer nipping of the remaining shoots to induce a stocky growth and a strong development of laterals. (3) Heading back these laterals the following spring. (4) Cutting out the old canes after they have borne their crop.

1. There is often a tendency among growers to leave too many shoots, especially where the hedge-row system is practiced. If too many shoots are allowed to grow they will develop into weak, slender canes, unable to properly hold up their crop of fruit. The number of canes that would grow in a hill if all shoots were allowed to develop will range all the way from two or three up to a dozen or more. The proper number of canes for a hill will vary somewhat with the variety, but in general will be from three to five. The shoots which are not to be left to produce canes should be removed as soon as they start, so that the strength of the plant may go to those that remain. All suckers springing up between the rows of blackberries and red raspberries should be kept down by the use of the cultivator, and those arising between the hills may be cut out with a hoe, so that only the superfluous shoots arising directly in the hill will need to be removed by the knife or shears.

It is true that this thinning out of the canes in the hill is often left until the spring pruning, but it stands to reason that stronger and better canes will be produced if the strength of the plant is confined to the production of only so many canes as are to be left. The superfluous shoots can be removed without much extra trouble when the summer nipping is being done.

### THE VALUE OF GRAPES.

Written for Green's Fruit Grower.

The grape is one of the oldest fruits. It is spoken of in the Bible where the spies of the children of Israel went to view the promised land. They brought back immense clusters of grapes. Grapes are the most wholesome of fruits, though all fruits are wholesome if considerably eaten. Many parts of this country are devoted almost exclusively to grape growing. Where the grape succeeds it is exceedingly profitable. But few of our readers are aware of the immense yields that are possible. One grape grower in the Keuka lake region of New York state reports that from three acres of his vineyard he gathered nine and one-half tons of grapes which sold at \$80 per ton. There is something fascinating about the planting and growing of a vineyard. I know of no more beautiful sight than a vineyard in fruit. When a young man I was fascinated with the idea of planting a vineyard but was prevented by the counsel of my older friends. But after all it is for the village and farm home, or even for the city home, that a grapevine is the greatest blessing. The vine for ornament alone is exceedingly attractive, its broad leaves giving desirable shade for arbors or piazzas. There is no locality where

the grape will produce better than when twined along the sills of the house or over verandas. Thus a grapevine that may be bought for 15 cents may do much to beautify and make a home attractive. The grapevine is one of the most easily planted and the most certain to grow. This is shown by the fact that nurserymen succeeds in making a piece of grapevine grow without any roots at all. How easy then must it be for any person to make a well rooted grape vine flourish about his home. Plant grape vines this spring.

### CURRENTS FOR PROFIT.

Written for Green's Fruit Grower.

While no farmer's or villager's garden is complete without a good supply of currants there are few who realize that the current crop is a profitable one for market. The amount of currants that can be grown upon an acre of ground under good cultivation is surprising. At Green's fruit farm the money received for fruit from about one-half acre of Red Cross for 1904 was \$482.38, and for the season of 1903 from same piece of ground \$537. It is not unusual for vigorous growing, large fruiting currants to yield from five to ten tons of fruit per acre. This will be news to a great many people and there are those who may doubt the accuracy of this statement, but we can prove it by figures at Green's fruit farm, and not only there for a friend of ours, Mr. Stace of Charlotte, has records of even larger yields of currants at his place.

### SUCCESS WITH STRAWBERRIES.

C. E. Nichols, near the Hudson river, writes Green's Fruit Grower that he has made strawberry growing very profitable, shipping the selected berries to New York city and selling the smaller berries culled from the large ones in the home market at 10 cents per quart. This is much better than we can do in the way of prices at Rochester, N. Y. Ten cents a quart for good strawberries is a high price. Strawberries can be profitably grown for 6 cents a quart. Mr. Nichols has sold some of the best berries this year as high as 42 cents per quart. He turns the stems of the berry under so that only the attractive part of the

berry is seen in the passage. On top he places three or four strawberry leaves. He considers profitable any work of sorting and making the packages look attractive. Where green berries or refuse is found in the bottom of the baskets the reputation of the grower is lost. Last season a drought threatened great injury to the strawberry crop. Irrigation was suggested and he has been well pleased with the result; he sold the berries at 28 to 30 cents a quart. He irrigated by placing four large casks containing forty gallons each in a wagon-box, drove the horses into the river so that the barrels could be filled easily with water. In every cask he puts a shovel of best commercial fertilizer, stirred it thoroughly, then applied a dipper of this mixture to each plant every other day. This plan might work on sandy soil but on clay soil I do not think it would be helpful. He says he never saw anything grow as those plants did after irrigating. He is growing the Sharpless, Downing, Jessie, Bubach, Marshall and Green's new Pineapple flavored. He uses unleached wood-ashes and commercial fertilizers sprinkled between the rows. He does not like stable manure since it brings into the strawberry patch all kinds of grass and weeds.

Raspberries and Blackberries.—Professor J. Troop of the Indiana Experiment station recommends the following varieties of raspberries for Hoosier growers: Cuthbert, Columbian, Golden Queen,

## FARMERS' HANDY WAGON

with four inch steel wheels. Saves labor, horse flesh and repairs. Tires neither swell, shrink nor run off.

## STEEL WHEELS

Straight or Staggered Spokes. The best repair for your old wagon. Made to fit any axle. All sizes. Any width of tire. They earn their cost on any farm. Catalogue free.

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Please mention Green's Fruit Grower.

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The best wire sewed standard size, pint or quart, made of the best material. Price, 500 for \$2; 1000 for \$3.50. The prices will be higher as the season comes on. Order now, or you may not get them at any price.

STANDARD CRATES, 50c. each; \$5.00 per dozen. They are well made, of the best material, complete with hinges and patent latch. They hold 32 quart baskets of berries without crowding.

SPECIAL—A standard 32 quart crate with 100 quart or pint baskets, only 95c.

ORDER ALL BASKETS EARLY. Prices sure to advance.

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of the best new and standard Strawberry, Blackberry, Red and Black Raspberry plants, also Grape Vines. The best lot of plants we ever saw. We guarantee them true to name, Healthy, and extra well rooted. Our prices are as low as good plants can be grown for. Send right now for our 18th annual price list. It's free. A. R. WESTON & CO., R. F. D. No. 3, Bridgman, Mich.

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Strawberries, Blackberries, Red and Black Raspberries, Grapes, etc. Prices reasonable; stock guaranteed. Send for free catalogue.

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very plain and complete, so you will know how every vehicle is made. We ship on 30 days trial. We do not ask you for any money with order. Do not buy a vehicle or harness of any kind until you get our catalogue and see our latest styles, our astonishingly low prices, and the most liberal terms ever made. Write for it now. Do not delay. Remember it is free.

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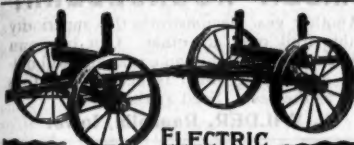
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### ELECTRIC HANDY WAGON

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THIS STEEL FORGE WILL EASILY WELD A 4 INCH WAGON TIRE FULLY GUARANTEED

ANY FARMER CAN START a welding fire in this steel forge in two minutes and do repairs at home. We GUARANTEE our steel forges to equal in every way any \$10 forge and to be as represented or money refunded.

Special introductory prices. One forge complete \$15.00, or 1 forge, 1 pr. of tongs and 1 anvil vice combined, all for \$10.00. Our forges have been used and endorsed by farmers in every state and Canada for the last 17 years. Write for free catalog and testimonials. **C.A.S. FORGE WORKS, Saranac, Mich.**



## \$10.00 For A MACHINE

That will weave fence at cost of wire only. Saves money. Buy enough called Hard Steel Wire for 30 rods of fence. Agents wanted. Catalogue free.

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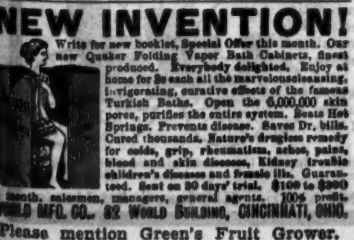


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Kansas and Nemaha. Golden Queen is by far the best of the cream colored varieties. For the family garden especially good results have been obtained from these varieties of blackberry: Agawam, Early King, Erie, Snyder and Taylor. Lucretia is the only dewberry recommended for general cultivation.

The Kansas black raspberry has popularized itself in Illinois where it has been given fair trial. The Cuthbert red raspberry is always a stand-by. Nothing is better than the berry that pleases the grower best. If market peculiarities are to be considered this might not be so. But tastes do not widely differ and it is generally the case that the berry that suits the grower pleases the consuming public.

### CURRENT CULTURE ON THE FARM

A fairly heavy soil is best for currants, says George T. Powell, New York, in American Agriculturist. They should be set five feet each away. Cut into the old bearing branches every two years. The best varieties are Fays, La Versailles, Pomona and Wilder. White Currants are excellent for table use, but they do not sell well. Give clean culture up to about June 25th, then seed with 12 pounds of crimson clover per acre. Plow this under early in the following spring and cultivate again as before, using the clover annually. This will keep the soil in excellent condition and give fruit of the finest quality.

The fruit may be shipped in two-pound grape baskets, or in strawberry quarts. If the currant worm makes its appearance, spray promptly with 2 1-2 pounds arsenate of lead in 50-gallons Bordeaux. The foliage is attacked by a rust or fungus and the Bordeaux is the thing to use. The usual yield is about four to ten quarts to the bush, but by selection of cuttings from the strongest plants we have picked 16 quarts from a bush. The currant is a good fruit to grow, sells usually for 4 to 6 cents a quart, and has less enemies than most fruits.

Blackberries Bear Fruit Twenty-five Years.—We wish to give a practical illustration of the length of time blackberries may be successfully kept in fruiting, says Ohio Farmer. About twenty-five years ago the writer's father planted 100 Snyder blackberry plants, and they were planted and given about the care that we have described. The second year after planting, the entire patch was mulched with straw and from that time was neither cultivated nor plowed, not even worked with a hoe. As this mulch rotted a new supply of straw was applied thus keeping it covered the entire time. What few weeds came through this mulch were hand pulled as they appeared. With this simple care this same hundred plants have borne a crop each year until the present time without a single case of failure, and the plantation stands to-day apparently in as good condition for bearing a crop next year as it did when two years old.

The yield from this 100 plants has been from five bushels to ten bushels annually since coming into bearing, the first few years the fruit was sold at \$4 per bushel, as the cultivated blackberry was at that time a rare thing in this section. Of late years our local markets take our crop at \$2 to \$3.20 per bushel, \$3 being a fair average price for good berries.

This little patch of blackberries stands by itself in the corner of a field and will be preserved as long as possible, as it was the beginning of the fruit business that we are now carrying on; and it stands as an example of what may be done with the blackberry, also as an example of establishing a good paying business from a small beginning.

Small Fruits in the Garden.—Every garden should have a strawberry patch, and also raspberry, blackberry and grape vines, as well as currant and gooseberry bushes. It is the variety in the garden that makes it so useful, and considering the vast amount that may be grown on a small area, provided it is made rich and well cultivated, it is the most profitable portion of the farm. Every corner should have a vine or bush, while the fences may be made to serve as shelters and supporters. Be sure that all small fruits are so placed that they may secure plenty of sunlight and heat. Fruit trees, vines and bushes may be set out in the fall, if mulched in the cold sections, but in the South no such protection is needed.

Why Not?—If there is no one growing small fruits for market in your place, why don't you do it? It is a paying business and clean and healthful. You can make considerable money in raising berries for your market, if you would go at it. There is not another occupation that I know of which yields as much clear profit that can be started on so small a capital. And, too, there is not another business so easily learned.

## Fruit and Ornamental Trees, Currant Bushes and Grape Vines

THAT MUST BE SOLD TO CLEAR THE GROUND.

Here is a bargain for everyone. We have a surplus of these items. Send us a list of what you need, we can save you money. Our prices are lower for trees, vines, and bushes TRUE TO NAME than those of other reliable firms. Before sending an order elsewhere let us tell you what our prices will be. These are the best trees and plants we have ever grown.

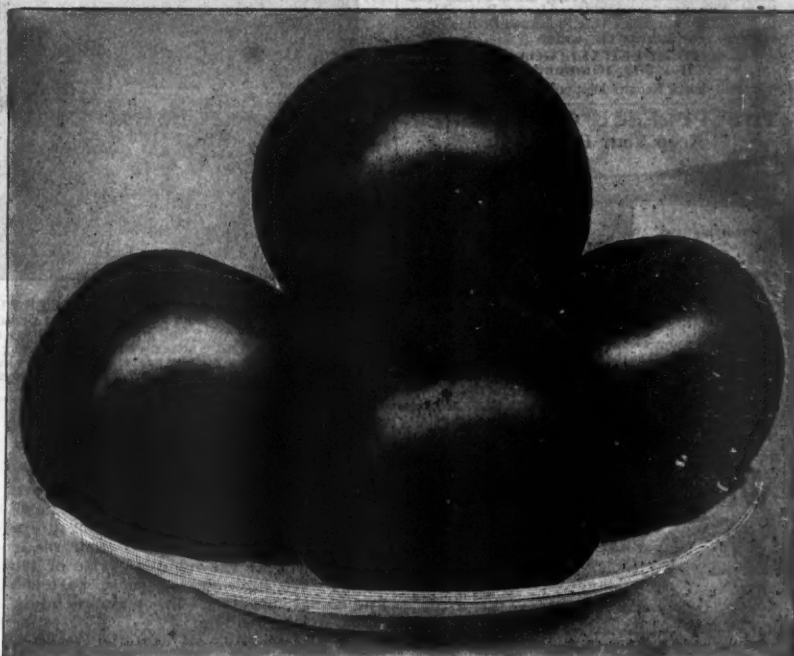


PLATE OF RHODE ISLAND GREENING APPLES.

OUR LIST OF APPLE TREES contains the following valuable varieties: Baldwin, Ben Davis, Banana, American Blush, Bismarck, Duchess, Fanny, Grimes' Golden, Hubbardston, Jonathan, King, Lord Nelson, Maiden's Blush, Northern Spy, R. I. Greening, Wagener, Wealthy, Wolf River, Yellow Transparent, and many others.



SHOWING PRODUCTIVENESS OF C. A. GREEN NEW WHITE GRAPE. (From a photograph.)

## Large Profits in Growing Grapes.

One of the enterprising grape growers of the Lake Keuka region gathered this season from three acres of vineyard, nine and one-half tons, which he sold at \$80.00 per ton.

A surplus of grape vines in the following varieties: Chas. A. Green (new), Concord, Worden, Niagara, Diamond, Campbell's Early, Moore's Early, and others.



## Currants Will Lift Mortgages.

A field of currants would be a profitable investment for you, reader. We have a surplus of Red Cross currant, which is not surpassed in size, productiveness and vigor by any currant. At Green's fruit farm we have half an acre planted to Red Cross from which we sold 6,036 quarts. Our currants last year, 1904, averaged 8 cents a quart. This would give us an income of \$482.88 from this small planting; and for the season of 1905, from the same field, the receipts were \$537.00. We have all of the best varieties to offer: Red Cross, Fay's Cherry and Champion. Our prices are far the lowest and our plants so much better than those of other firms, that there is no comparison. We can save you money on anything you need to plant in Grapes, Currants, Trees, Plants and Vines. Send us your list of wants.

BETTER THAN EVER. Our Spring, 1905, Catalogue is ready for mailing. If you have not received it, send for it at once by postal card; it is free for the asking and contains valuable information as well as a complete list of varieties, all of which are offered at low prices.

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Best tool for small fruits, young orchards, and truck farms. Four sizes for orchards and farms. Reversible extension. Also Reversible Disc Plows and Double Action Harrows. For circulars, etc., write

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of all leading varieties, also new varieties. Read what a customer says of our plants: "I received the plants in good shape; they were the best plants I ever got; your way of packing is good; thank you for your liberal count of plants. I remain your customer, Jas. D. Clark, Mater, Pa." We guarantee safe delivery and satisfaction. Wholesale and retail illustrated catalogue free. Write to-day and save money. Address W. S. Perdue & Sons, Box 101, Parsonsburg, Maryland.

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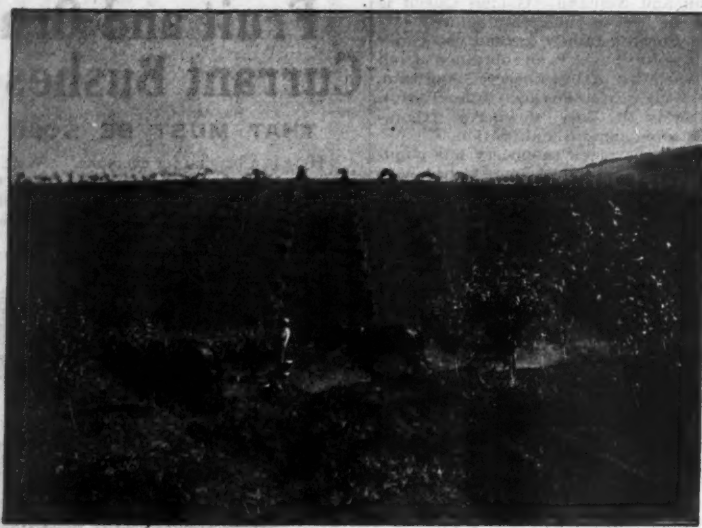
Sprays Everything, trees, potatoes, etc. Furnished complete with cart and barrel. Combined hand and horse power. Don't buy until you get my catalogue—free.

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Price of Grafting Wax, 1/2 lb. postpaid, 25 cents 1 lb. 40 cents; postpaid; 50 cts. per lb. not prepaid.  
GREEN'S NURSERY CO., Rochester, N. Y.



**AN INSPIRING SCENE FOR A TREE PLANTER.**—The above is from a photograph of a Hood River, Oregon, plum orchard embracing perhaps several hundred acres. Our readers have heard much of the Hood River fruit growing section. It is a marvelous country and the Oregon people are a wonderful people. What is more promising than a young orchard like this? It tells the story of great reward for earnest endeavor. Every tree, every twig, every leaf in this orchard is full of promise. Who would not like to be the owner of such an orchard? The photograph was sent us by S. B. Fage.

### SOME UP TO DATE FASHIONS.

For the convenience of the ladies in the homes of our subscribers we have made arrangements with one of the largest and most responsible manufacturers of patterns to offer some of their reliable patterns at the nominal price of 10c each. We have tested these patterns and take pleasure in recommending them to our readers.

4914—The quantity of material required for the medium size is 4 1/4 yards 21, 3 1/4 yards 27 or 2 3/4 yards 44 inches wide.



4914 Shirred Waist, 32 to 40 bust. 4919 Plain Shirt Waist, 32 to 44 bust.

4919—The quantity of material required for the medium size is 4 yards 21 inches wide, 3 1/4 yards 27 inches wide or 2 3/4 yards 44 inches wide.

4924—The quantity of material required for the medium size (14 years) is 5 1/4 yards 27, 3 1/4 yards 44 or 2 3/4 yards 52 inches wide with 1 1/4 yards 21 inches wide for bands.



4924 Girl's Kimono, 10 to 16 yrs. 4925 Blouse or Shirt, Waist, 32 to 42 bust.

4925—The quantity of material required for the medium size is 4 1/4 yards 21, 3 1/4 yards 27 or 2 3/4 yards 44 inches wide.

4912—The quantity of material required for the medium size is 5 yards 27, 3 1/4 yards 44 or 2 3/4 yards 52 inches wide with 1 1/4 yards of velvet.



4912 Double Breasted Coat, 32 to 40 bust. 4913 Girl's Russian Dress, 4 to 10 yrs.

4912—The quantity of material required for the medium size (8 years) is 4 1/4 yards 27, 3 1/4 yards 32 or 2 3/4 yards 44 inches wide with 1 1/4 yard of all over lace.

4920—The quantity of material required for a boy of 10 years of age is 4 1/4 yards 27 inches wide, 3 1/4 yards 44 inches wide or 2 3/4 yards 52 inches wide, with 1 1/4 yards of any width for shield and collar.

**FITS** Permanently cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for FREE \$2.00 trial bottle and treatise.  
DR. R. H. KLINE, Ltd., 231 Arch St., Philadelphia, Pa.



4920 Boy's Blouse Suit, 6 to 12 yrs. 4921 Blouse or Shirt, Waist, 32 to 42 bust.

4921—The quantity of material required for the medium size is 4 yards 21 inches wide, 3 1/4 yards 27 inches wide or 2 3/4 yards 44 inches wide, with 1 1/4 yards of all-over material for chemise and collar.

To get BUST measure put the tape measure ALL of the way around the body, over the dress close under the arms.

Order patterns by numbers, and give size in inches. Send all orders to GREEN'S FRUIT GROWER, Rochester, N. Y.

### BURGLARS WANTED.

Don't write "Dear Mr. Green: I am a good burglar, take me. Bill Brag." No, Bill, you won't do. You may be good but mere goodness never wins. We want talent, genius. We want the burglars who broke into our nursery office at midnight not long ago, blew open the safe with dynamite, and carried off our hard earned money. Kind reader, will you buy some of our vines, plants and trees? Money invested in this way cannot be stolen by burglars. We have propagated too heavily of grape vines, currant bushes, apple and poplar trees. Get our price before buying.

We offer for sale at bargain prices the following surplus stock: Apple trees, pear trees, poplar trees, grapes vines, currant bushes.

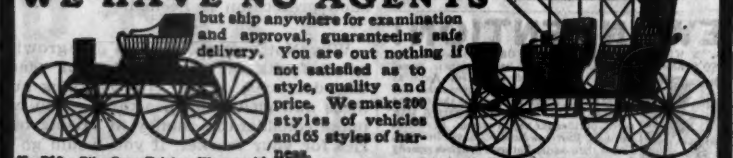
We have these in two to three sizes at bargain prices. These are the best rooted and the best trees, plants and vines we have ever grown, and true to name, but they must be sold to clear leased land. Write for free catalogue and price.—Green's Nursery Co., Rochester, N. Y.

Prim Mother—My son, I am afraid you are going to make a mistake in marrying Miss Easyways. Both she and her mother are fearfully lax housekeepers.

Son—I know it, mother; that's what caught me. It's so comfortable over there, you know. I can sit down anywhere in the parlor without being told that I'm musing things up.—Detroit "Free Press."

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No. 719. Like Gear Driving Wagon with 1/2 inch rubber tires. Price complete \$36. As good as sells for \$50 more. Our large Catalogue is No. 336. Extension Top Surrey. Price complete \$78. As good as sells for \$85 more. **Elkhart Carriage & Harness Mfg. Co., Elkhart, Indiana.**



Please mention Green's Fruit Grower.

**IMMUNE HOGS** Keep your hogs Cholera Proof for life by vaccinating pigs before birth by feeding sow virus—20 cts. a litter. Give written guarantee with \$10,000.00 approved security. Agents wanted.  
Robert Ridgway, Box 501, Amboy, Ind.

## GARDEN HUCKLEBERRY

Another year demonstrates the superiority of this fruit over any other. Can be grown from seed. Ripens the same year and will out-yield any fruit grown. Is beautiful and as good as the best. Seed 25 cents.

A. WILDER, Randall, Iowa.

**PEACH & OTHER FRUIT TREES** at wholesale prices. R. S. JOHNSTONE, Box 10, Stockley, Del.

**WANTED** to men for each State, to travel, take signs and distribute samples and circulars of our goods. Salary \$75 per month plus per day for expenses. KULLMAN CO., Dept. F, Atlas Block, Chicago.

## KNIGHT'S FRUIT PLANTS.

**STRAWBERRIES. RASPBERRIES. BLACKBERRIES.** All the best new and standard varieties. Do you want the best plants for the money? We have them in large quantities. Our 32-page catalog contains valuable information. It is free. David Knight & Son, Sawyer, Mich.

**AGENTS WANTED**—Sell our \$1 bottle Saraparrilla for 35 cents, best seller; 100 per cent. profit. Write to-day for terms and territory.  
V. R. GREENE, 118 Lake St., Chicago.

**CUT THIS OUT** If you want 100 different samples of magazines and newspapers and send with 10 cents for one year's subscription to "The Welcome Guest," the best original magazine published, which you will receive twelve long months and too samples.

THE WELCOME GUEST, Portland, Maine.

## QUEER, BUT GOOD

Send for our free novelty catalogue with illustrations of guns, spray outfits, rare musical instruments, farm and orchard tools, talking machines and ingenious devices of all kinds.  
Green's Nursery Co., Rochester, N.Y.

**THIS RING FREE** GIRLS, if you want this ring, send us your name and address.  
GILWORTH COMPANY, Dept. 19, Attleboro, Mass.

**FREE GOLD WATCH** This watch has SOLID GOLD CASE, engraved on BOTH SIDES. Answer promptly. Fully warranted timekeeper. Equal in appearance to solid gold watch. GUARANTEED 25 YEARS. We give it FREE for either only 50c. Send name and address to day and we will send you postpaid. When sold send us \$2.00 and we will postpaid send you watch and Gold Chain. Ladies' watch free. RAND MFG. CO., DEPT. L-14 CHICAGO

**Anniversary Ring 1905 SOUVENIR** Solid Silver Ring for 10c. This anniversary and souvenir ring of 1905 we warrant \$25-1000 solid sterling silver, worth one dollar each. To introduce our great new 1905 illustrated catalogue of jewelry and novelties, we will send one sample for ten cents in silver or postage stamps. Send piece of paper size of ring wanted. Address **LYNN & CO., 48 Bond Street, New York**

## What NEW YORK Did in VIRGINIA.

RIVERSIDE PLANTATION BEACH, Va. June 25, 1904.

F. H. LABAUME, N. & W. Ry. DEAR SIR: I am a former resident of the Empire State and came to Virginia on account of the genial climate and great future I saw in the fertile, neglected farms. Last year my crop of 75 acres of wheat averaged 20 1/2 bushels per acre, some acres running in excess of forty bushels. G. C. JACOBS. This is not the exception, but the rule. Much land has more than paid its purchase price out of the first year's profits. Best shipping facilities to great Eastern markets at lowest rates. Write to-day for list of farms, excursion rates, etc., to F. H. LABAUME, Agr. and Ind. Agt. N. & W. Ry., Box 130, Roanoke, Va.



### Under the Snow.

Written for Green's Fruit Grower by Marvin L. Piper.

Under the snow the flowers fair  
In little beds are sleeping,  
While far above the King of day  
His faithful watch is keeping.

When warmth comes back to the frozen north  
The lovely springtime bringing,  
The flowers will wake and bloom again,  
Where tender blades are springing.

Under the snow the dear home flowers  
In narrow beds are sleeping,  
But over all the King of Kings  
A loving watch is keeping.

And when the King comes back to earth,  
Eternal springtime bringing,  
Our friends will wake and live again,  
Where angel choirs are singing.

### Farmer's Boys as Motormen and Conductors.

A subscriber to Green's Fruit Grower writes that he and his friend are about to leave the farm which they love, for the city to become motormen or conductors on a street-car line. They expect to get \$60 a month and he says they are going to stick to it till they have made enough money to start at farming. They are figuring on saving \$400 a year each.

Possibly I know more about the chances of a farmer's boy as motorman or conductor on street-cars in the city than this subscriber or his friend. An honest and faithful worker for Green's Fruit Grower decided after several years' service that he would like to be a motorman for our city street car company. He applied for a position. He continued to work for Green's Fruit Grower. I think it was nearly two years before the position was given him after he applied for it, but since he was working at good wages during this time this was no serious drawback. When he found that he had secured the position as motorman he withdrew from Green's Fruit Grower's work and rented a house in another part of the city. Even then he did not know what was before him. His experience was something as follows: He found that he had to learn all about the machinery of a street-car propelled by electricity. He had to go into the factory where cars were taken apart and repaired, where he could learn all the details of the work, so that when his car gave out on the road he would know what to do to make it work, the same as he would with a mowing machine were he on a farm. This shop work required perhaps four to six months, then he was put on a street-car with an old motorman by his side to show him how to operate the car upon the street, and you may be sure he was very awkward on the start as all men are. After some further delay he was appointed as an extra man to run street-cars occasionally when some other motorman was sick or off for a vacation. This work kept him employed but a small portion of the time and he received pay only when he was at work. There are other discouraging features which I have not space to tell about, but the fact is that it was about two years after the man left us before he was placed in charge of a street-car as motorman at full wages. It may be imagined that many people with a family on their hands would have difficulty in waiting during this period of two years for full wages. Possibly our young friends who are to leave the farm for the city do not know of this experience which all motormen have to go through with.

Reply to Mr. Thos. R. Rogers, Pa.: Every year we publish methods of preventing injury from mice and rabbits, and yet get many letters asking for more information. No, I do not think you could sell a simple device since every orchardist has a device of his own. If the trunk of the tree is protected by pieces of bark or thin lumber surely the rabbits cannot injure them. There are numerous ways of giving this protection.

If you feel inclined to swear  
Eat an apple!  
Don't shake your fists and tear your hair—  
Eat an apple!  
If you want to drink or chew,  
Or do anything you ought not do,  
Eat an apple!

## Superior Cream Separator

Gets ALL the Cream.  
Complete separation in 30 to 60 minutes is made by circulation of cold water thru patented Center Columns and Outside Jacket. Simple. Practical. Water and milk do not mix. "Equals a \$150 machine." *—Satisfied Farmers use it.*  
WE GIVE A BURNING GUARANTEE.  
We refund your money if not satisfied. The best investment on the farm. Write today for full particulars and testimonials.  
SUPERIOR FENCE MACHINE CO.  
187 Grand River Ave. Detroit, Mich.

### Those \$1.00 Men.

A large number of subscribers to Green's Fruit Grower have sent us \$1.00 for four years' subscription to Green's Fruit Grower. These subscriptions will not expire until January, 1909. Some of these subscribers now write us with anxiety, having seen the cross on our editorial page. They ask if we have them booked correctly.

Our reply is, surely we have you booked all right, if you have received, soon after sending the dollar, our postal card acknowledging its receipt. Please do not ask us to send out several thousand more postal cards after we have once receipted the money you have sent us. Rest assured that everything is all right here.

### Worth Remembering.

Written for Green's Fruit Grower by L. E. Eldridge.

That a pinch of salt and a pinch of soda make a good dentifrice.  
That a spoonful of ammonia added to water in which silver is washed will brighten it wonderfully and help to keep it clean.

That window plants coming into bloom need good fertilizing to give large, strong flowers.

That system is a valuable adjunct to good housekeeping.

That a good neighbor is something to cherish.

That perseverance and good luck go hand in hand.

That industry is a key that unlocks the door of success.

### Fireproof Mats, Premium.

Asbestos mats are very desirable for the housewife. They are indestructible by fire. Even if you throw these mats on the burning coals, and leave them there all day, they will not burn or become scorched. Place these mats on your hottest stove, then you can place on the mat your tin or other dish and cook or stew without any danger of burning. There are many ways in which the housewife can make these fireproof mats of service. Therefore, Green's Fruit Grower decided to offer six of these fireproof mats, to be sent by mail, postpaid, as a premium with each subscription to Green's Fruit Grower at 50c, the subscriber to claim this premium when sending the 50c.

Keeping Apples.—W. C. Baird of Ohio, writes Green's Fruit Grower of the plan which he has found very successful for keeping apples, pears, etc., in small quantities. He had frequently read that apples kept best in barrels and reasoned that this was because they were kept from the air. He secured soap boxes from the grocer at 2 1/2 cents each, all the same size, which filled level full held three-fourths of a bushel each. By placing one box above another each box acted as a cover to the other, a cover being placed on the top one, and all were nearly air tight. Pears do not wilt and ripen nicely, and apples keep much fresher and retain their aroma. These boxes are also handy for many purposes and the expense is very reasonable.

### Will You Renew To-Day?

Remember President Roosevelt's life system, which is to do it now. Perhaps this system has done more to make President Roosevelt president of the greatest country in the world than anything else. Let us all strive to follow his example and act promptly in all affairs of life. Will you renew your subscription to-day for Green's Fruit Grower? Thousands of our subscribers have renewed their subscriptions recently. The question now is, have you done so? If you have not and desire to favor the editor and publisher please renew your subscription to-day. Yes, renew it now before you lay down this paper.

Joseph Harris' Rural Annual Seed Catalogue is now ready for distribution. This is a handsome catalogue, well printed and illustrated. One of their specialties is the long white tartar oil which is said to have yielded 106 bushels per acre. This Seed company has long been known for fair dealing. Address Joseph Harris Seed Co., Coldwater, N. Y.

Getting Subscribers.—Last year many of our friends in various parts of the country were getting subscribers for Green's Fruit Grower. We appreciate the kindness of the friends who have in past years done such excellent work for us. We are now waiting for reports of what they are doing for us this year. Will you who read these lines kindly get up a club for Green's Fruit Grower? Write for terms to agents for getting up clubs.

A few years more and there will be no log cabins left for great men to be born in.

No Dealer  
Can Duplicate  
Our Factory  
Price



Our high grade carriages are made in our own factory, and sold exclusively by mail order at a saving of from \$15 to \$30 to the buyer. We warrant every vehicle to be just as represented or refund money and pay freight both ways. Send for free catalogue. It tells the advantage of buying from factory.

THE COLUMBUS CARRIAGE AND HARNESS CO., Columbus, Ohio.

### TILE DRAINED LAND IS MORE PRODUCTIVE

Earliest and easiest worked. Carries off surplus water; admits air to the soil; increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Road Drain Tile meets every requirement. We also make sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 99 Third Ave., Albany, N. Y.

## First Prize Sprayers!

These sprayers are the best for real service, improved, up-to-date, and most practical sprayers to be had. They are made for us by one of the Largest Spray Pump Manufacturers in the World, who received the FIRST PRIZE on Sprayers at the St. Louis exposition.

### IMPROVED BRASS BARREL SPRAY PUMP

FOR ORCHARD OR SMALL FRUITS. It is made by the largest pump makers in the United States. Solid Brass and not affected by the materials used; throws a uniform, constant and elastic spray and is very powerful and easily operated. The patent agitator stirs the solution from the bottom. Nothing to get out of order. Can be used for whitewashing. The best Barrel Spray Pump on earth for the price.

Price, No. 5, complete, with 5 feet of three-ply discharge hose and nozzle, ready to use, weight 25 lbs., only \$4.95  
Eight-foot extension pipe for higher trees, . . . . .50  
Price, No. 6, complete, with two 6-foot lengths of three-ply discharge hose and two nozzles for spraying two rows at a time, ready to use. Weight 30 lbs. 5.95  
Eight-foot extension pipe for higher trees (each), . . . . .50  
For Dasher Agitator, if preferred, add \$1.00 to the price of either pump.  
Always use extension pipes—You get better results.

ALL STEEL BARREL CART. For use with any of our Barrel or Bucket Pumps. Enables the user to reach places that would be impossible with a team and wagon. It is also a valuable protection against fire, and for sprinkling. Being made entirely of steel, it will last a life time.

Price, without barrel, . . . . . \$3.95  
Barrel \$2.00 extra. Complete with barrel, . . . . . 5.95

### BUCKET OR BARREL SPRAY PUMP.

Two Pumps in one for trees or small fruits and potatoes. A Brass Bucket or Barrel Spray Pump with more real advantages than are contained in any other spray pump on the market, and is sold at a moderate price. The work is all done on the down stroke and it can be operated with one-third the power required for any old style pumps. It is an excellent pump for practical use.

Price, No. 24, complete, ready for use, with agitator, 5 feet of 3-ply hose and graduating Vermorel fine or coarse spray and solid stream nozzle, . . . \$3.45  
With eight-foot extension pipe for spraying large trees, . . . . . 3.95  
Always use pipe extension—You get better results.

BRASS BUCKET PUMP No. 25. An excellent pump for small fruit growers, gardeners and poultrymen. Can be used for whitewashing, washing wagons, spraying potatoes and fruit trees. With the eight-foot extension pipe this pump can be used for spraying the larger trees. The pumping is all done with the downward stroke. The patent agitator stirs the solution from the bottom.

Price, with 5 feet of 3-ply hose, the best all around nozzle, ready to use, weight, 7 lbs., only \$3.55  
The eight-foot extension pipe for spraying trees, 50c. extra.  
Always order the 8-foot extension pipe; you get better results.

NOTICE.—We can send any of the above sprayers or the Knapsack Sprayer DIRECT FROM THE FACTORY in Ohio, if desired, to SAVE EXPRESS CHARGES TO POINTS IN THE FAR WEST.

### KNAPSACK SPRAYER FOR SMALL FRUIT, POTATOES, ETC.

A Convenient Outfit with which to spray from four to six acres of small fruit or potatoes in a day. The tank holds 5 gallons, and is fitted with lid and strainer. The pump has a large air chamber, ball valves, solid plunger and agitator. The handle lever can be shifted from right to left shoulder, at will.

Price, No. 330, Knapsack Spray Pump, with 5 feet of 1/2-inch hose, pipe extension and Bordeaux or graduating Vermorel spray nozzle, which can be graduated from a fine mist spray to a solid stream or shut off entirely, \$4.95

### GREEN'S AUTOMATIC SPRAYER.

The climax of all sprayers; combines every conceivable point of excellence, including economy, durability, low price, and ease in carrying and operating.

Nothing to rust or corrode. Eight to ten strokes of plunger compresses enough air to spray ten minutes. Sprays a quarter acre of potatoes, tobacco, etc., without re-charging. Weight, empty, 7 lbs.; loaded, 39 lbs.; capacity, about four gallons. Extension pipes in sections two feet long may be added for spraying trees.

### SPECIAL INTRODUCTORY OFFER.

Green's Automatic Sprayer, one in a place, to introduce it. Galvanized steel, with three extension pipes, two nozzles and one length of hose, . . . . . \$4.45  
Solid brass, with three extension pipes, two nozzles and one length of hose, . . . . . 5.95

CONDENSED BORDEAUX MIXTURE. (Standard Formula, 1 gallon makes 50 gallons spray.) Ready for use by simply adding water. An indispensable fungicide, curing and preventing black rot, mildew, blight, rust, scab, and all fungoid diseases on fruits and plants.

1 gal. Bordeaux Mixture makes 50 gals. of spray solution, U. S. Standard, Price, . . . . . \$1.00  
5 gals. Bordeaux Mixture make 250 gals. of spray solution, Price, . . . . . 4.50

KEROSENE EMULSION for Scale and all Sucking Insects. Prepared according to the most improved formula; ready for use by simply adding water (\$5 to 80 parts water to one of Emulsion). Price, per gallon, . . . . . \$1.00; 5 gallons, . . . . . \$4.50.

WHALE OIL SOAP for San Jose Scale and Cabbage Worms. For cabbage worm, scale on trees, caterpillars, melon house, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. Use from one to two pounds of the soap to 5 to 8 gallons of water. Be sure that the soap is thoroughly dissolved, and then apply in form of spray. Price, 1 lb., 15c.; 2 lbs., 25c.; 5 lbs., 50c.

### WHITE HELLBORE FOR CURRANT AND GOOSEBERRY WORMS.

Hellbore is often employed in cases where arsenical poisons would be objectionable. Use one ounce to three gallons of water. Price, 1 lb., 25c.; 5 lbs., \$1.00.

### SULPHO-TOBACCO SOAP FOR ROSE BUGS AND CURRANT WORMS.

Excellent for rose bushes, shrubs, house plants, etc. It also acts as a valuable fertilizer, reviving plant life. For domestic purposes it kills the house of cockroaches and is a superior wash for dogs and all animals. Prevents poultry lice. Price, 3 oz. cake, sufficient for two gallons prepared solution, 10c.; mailed, postpaid, 15c.; 8 oz. cake, sufficient for 5 gallons prepared solution, 30c.; mailed, postpaid, 35c.

Valuable booklet, "The Window Garden," free with 8 oz. cake of Sulpho-Tobacco Soap.

We are interested in supplying all our patrons with a good Sprayer, because it helps to care for the trees and plants they purchase.

Write us, telling how many trees you have to spray, the size, etc.; also the small fruit, potatoes or cabbage to be sprayed, and let us help you in the choice of a Sprayer, large or small, according to your actual needs. If you write us at once, we can send you the latest and most reliable Spray Calendar, telling just what to use and just when to spray. Address

GREEN'S NURSERY CO., Supply Dept., ROCHESTER, N. Y.



## MONEY IN BANANAS



is the title of a book which tells how to make money in banana growing. How and where bananas grow; their value as a food product; how profits from bananas compare with farm products raised in the United States; the wonderful possibilities in the banana industry for small investors; how by the investment of \$10 a month for 30 months, you may secure a life income. If you want insurance against poverty, a guarantee of independence in old age, and a life income of from \$8.50 to \$85 a month, write us at once for this

### FREE BOOK.

You will find it an interesting story about the most remarkable opportunity ever offered. Write for it to-day. A postal saying, "Send Money in Bananas" will do. The book will be sent you free, by return mail.

CO-OPERATIVE TROPICAL FRUIT ASSOCIATION, 642 REAL ESTATE TRUST BLDG., PHILADELPHIA.

### THE PACKAGE SELLS THE FRUIT.



WE ARE HEADQUARTERS FOR

Berry Boxes, Peach, and Grape Baskets. Catalogue free.

WELLS-HIGMAN CO.,

St. Joseph, Mich.

Please mention Green's Fruit Grower.

## The New Catalogue — of — Green's Nursery Company

Is Now Ready for Distribution.

### DO YOU WANT IT?

If you want this new catalogue send for it by postal card at once and it will be mailed to you free of cost. You will not get this catalogue unless you send for it.

### SURPLUS TREES AND PLANTS

We have a surplus of apple trees in large size, medium size, and smallish size, which we offer at bargain prices in lots of 50, 100, or 1,000.

**GRAPE VINES.** We have a surplus of the largest and best rooted vines we have ever grown of such varieties as Concord, Worden, Niagara, C. A. Green new white grape, Campbell's Early, and Diamond white grape.

**CURRENT BUSHES.** We have a surplus of the Red Cross, best of all currants, also Cherry currant and Black Champion currant. We can make you low prices on list of 100, 500, 1,000 or more.

**POPLAR TREES.** We have a surplus of Carolina Poplar, also Lombardy Poplar. Can make low prices on lots of 50, 100, or 1,000.

Do not fail to submit a list of your wants and allow us to make prices on it before buying elsewhere. Send for our catalogue to-day. Address,

**GREEN'S NURSERY CO.,**  
ROCHESTER, N. Y.



## Our Correspondence.



### LOOKING FOR HELP AND LOOKING FOR EMPLOYMENT.

Editor of Green's Fruit Grower—In our town lives a progressive farmer who has a large herd of highbred Jerseys in which he justly takes great pride. The time came last fall, so says a neighbor, that a man was needed to look after the herd and to do other work about the place. An advertisement was put in a well known paper and the applications began to come. Perhaps 100 in all were received, but scarcely one of the whole lot could be called a good "I want the place and can do the work" kind of an application. One middle aged man, writing a good hand said that "years ago when he was a boy and used to go to school his holidays were generally spent at the home of an uncle who had a large herd of cows in which he was much interested and he had always had a longing to work amongst cows although he had never actually engaged in any hard labor amongst any animals of any kind. He offered himself." Another said: "Yes he would like the position but preferred not to do any milking, cleaning out cowhouses, or following a plow." And still another, "He had had some experience but had a wife who had never lived in the country or done any menial work, such as wives had to do as he understood in the country but if the employer would guarantee to provide a woman to help his wife in the menial duties of the home he could consider a reasonable offer." Is it any surprise that positions are hard to fill.—E. H. B.

### OH, RATS!

Editor Green's Fruit Grower: Talking with a neighbor the other day about being bothered with rats he remarked that rats were cunning but easily gotten rid of and cited an instance which seemed interesting. He said: "Why, yes, the barn and granary were overrun with them; they were too cunning to get into traps it seemed, but I did manage to catch an old fellow at last which showed the scars of many battles and he was a lively one, too. Acting upon the advice of a friend I carved off his tail quite close to the body and then painted the spot where the tail used to be and all that portion in close proximity to it and turned him loose. In a week's time there was not a rat to be heard or a track seen. One year from that time I went two miles distant to help a neighbor thresh. We killed one rat and imagine my surprise when I discovered that it was the one upon which one year previous I had practiced surgery and painting.—B.

Editor Green's Fruit Grower: Rev. Seneca Leonard, a subscriber to Green's Fruit Grower, was born in Worthington, Hampshire county, Mass., February 8, 1823. Went to Ohio in 1823. Married, living in Medina county seat, February 6, 1834. November 8, 1904, was my nineteenth anniversary of presidential election. November 8, 1923 was not of age but was February 8, 1823, just before General Jackson took his seat in the White House the first time. This leaves me eighteen presidential elections that I have voted. My wife and I celebrated our seventieth anniversary of married life September 6, 1904. Neither party has applied for divorce. A Sunday school teacher eighty-five years; preacher fifty-three years. Never had better health. Have not been preserved in whisky nor tobacco. The Lord has done it.

God is the impersonal, omnipresent, governing principle of the universe whose movements are only discernible in the processes of nature. It is only man's egotism that gives rise to the opinion that God is a personal being possessing human form. To ascribe limits to His form is to also ascribe limits to His attributes and power. Therefore He does not take a personal interest in our affairs. This world and the universe as well, is governed by immutable law, not by the decrees of a personified Deity.—Geo. B. Farris, Mich.

God is a personal Being, Gen. 1:26, 27. Jesus the express image of God, Heb. 1:1-3. To my mind God takes the same size and shape of man, as man is made in His image. Jesus after His resurrection had a body of flesh and bones.—F. P. Sweet, Utah.

My knowledge of God is: He is a man with body and flesh, and Jesus Christ, His Son, the exact image of the Father. He made man in His likeness. Whenever He has manifested Himself to any of

His children it has been in the form of man and if people would believe the good old Bible they would have no doubt about God, for it is so plainly set forth. Read the Scriptures, for in them ye have eternal life.—William Knight, Utah.

### RATHBUN AND ELDORADO BLACK BERRIES.

Editor Green's Fruit Grower: I saw a fine plantation of Rathbun and Eldorado in fruit last summer. Both varieties were at their best and had received the best care and attention. It was difficult for me to say which of these two varieties was the most desirable, but I consider the quality of Eldorado a little the best. I talked with the owner after the crop was all secured and learned that the Eldorado had borne more fruit and that it was more uniform in size so that it needed no sorting. But the Rathbun did need sorting since its fruit is not even in size as Eldorado. Eldorado is perfectly hardy; harder than Rathbun. Eldorado is an upright grower while Rathbun the first year or two is inclined to trail low.—Matthew Crawford, Ohio.

### THE HIRED MAN QUESTION.

Editor of Green's Fruit Grower: The evidence of want of help is seen. Those with land and capital, those with fine estates; those with land and little capital; those with up-to-date everything and those that are down at the heels with a piece of a cow and that turn the cattle out cold days to warm up under the apple tree; all have everything but the hired man; or if they have him he is like the flea; you have him and then don't have him. The accumulation of a lifetime is worthless. Why? I can remember when we saw numbers of men in the fields, many of them hired by the year, and many hands made light work and light hearts too, and at that time products brought less money than to-day.

Farm machinery, the opening up of the West, transportation, the building of cities, has changed this. We farmers of the east have the land and have the machinery and the markets. We have all they had in the fifties, with the addition of machines. We do not have the hired men; he has gone to the town or city. We did not employ him by the year. He had no winter work.

The conditions with agriculture have with other things been made over since the fifties. The farmers are not aware, or part of them, of the almost doubling of per capita wealth since that time. We or they, have been sowing the seeds of discontent and we are now reaping the harvest.

I overheard the tale of a day laborer. He was employed at \$1.25 and board about two-thirds of the time. Had he been employed 26 days each month at

### HAVE YOU A TONGUE?

When you consult a physician, he first asks to see your tongue. It shows at a glance if you are bilious, and if your stomach, liver and bowels are acting as they should. Save the expense of consulting a physician, and send to-day to the Vernal Remedy Company, Le Roy, N. Y., and you will receive, free of charge, a trial bottle of that wonderful household remedy, Vernal Palmettona (Palmetto Berry Wine) which will surely and quickly cure you of all diseases which are brought on by an unhealthy condition of the stomach, liver, kidneys and blood. Your druggist can supply you, but the proprietors wish to have every reader of Green's Fruit Grower first try a bottle so as to become thoroughly convinced of the wonderful benefits to be received.



HOOD RUBBERS

TRADE MARK

NOT MADE BY A TRUST  
IF YOU CANNOT GET THESE RUBBERS FROM YOUR DEALER WRITE US

ONLY \$8.68.

This beautiful engraved laid gold double case, Ladies' or Gents' American High grade finely jeweled movement. Guaranteed for 50 years, with ladies' long forgettable chain, or gents' fancy vest chain, sent by express for your examination; if you consider it worth \$18 pay express company \$8.68 and charges and it is yours. Send for our new watch catalogue, saves you 50 to 100 per cent. on watches and jewelry. Reliable Wholesale Watch and Jewelry House, 104 Bowdoin Building, Rochester, N. Y.

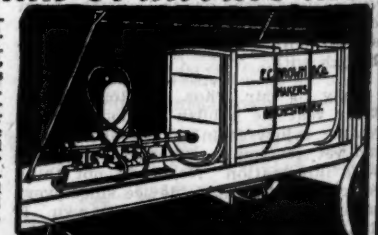
### FARM WAGON OFFER.



FOR \$36.90 WE SELL THE HIGHEST GRADE HEAVY TWO-HORSE FARM WAGON MADE, complete with double box, drop tongue, spring seat, cockyoke and doubletrees. EVERY WAGON COVERED BY OUR BINDING GUARANTEE. FOR FREE FARM WAGON CATALOGUE with many illustrations of wagons, all parts, etc. full descriptions, guarantee free trial offer, for explanation why we can sell the best wagon made at about one-half the price others charge, for low freight rate and quick delivery explanation, for the most astonishingly liberal Farm Wagon Offer ever heard of, cut this ad out and send to us, or on a postal card say "Send me your Free Farm Wagon Catalogue," and get all by return mail free, postpaid. Address, SEARS, ROEBUCK & CO., CHICAGO.

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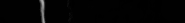


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# PILES



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## 50th Annual Meeting of the Western N. Y. Horticultural Society. Dr. L. H. Bailey's Address on the Achievements of the Past Fifty Years.

As Green's Fruit Grower is ready to go to press this veteran association is holding its jubilee session at Rochester, N. Y. I can give but a foretaste of the good things presented through lack of space. Green's Fruit Grower will be the first to publish a synopsis of Dr. Bailey's very interesting talk.

The meeting opened during one of the most severe blizzards of the winter with the thermometer nearly at zero, and yet the large hall was well filled with interested and intelligent fruit growers. A large exhibit of horticultural implements, spray pumps, etc., also a large display of fine fruits is being made in connection with this meeting. At the opening reminiscences were indulged in by the older members, who related instances in the history of this society which has done a great work for horticulture not only in this locality but in every part of the country.

Co-operative spraying was deemed a necessity by Professor F. C. Stewart. He advises that fruit growers join together in purchasing the most effective sprayers which can do the work of many orchards more effectively than smaller implements. Individuals in localities should endeavor to see that all the orchards are carefully sprayed, since if a part of them are neglected insects may breed therein and attack the orchards that are sprayed. George G. Powell advises a higher standard of horticulture. We of this locality must raise our standard of quality if we would hold our position in the markets of the world. Fruits are no longer a luxury but a necessity. We must grow apples of better quality, and must be more skillful in producing fine specimens, in picking, storing and in transportation.

Dr. L. H. Bailey's address was notable by a notable man. He said in effect as follows: At the first meeting of this society 50 years ago one of the questions discussed was, "Is it possible to make fruit growing popular in Western New York as a commercial enterprise." There were no large orchards then. Ten acres were considered enough for the largest orchard. Apples then were selling at 5 to 6 shillings per barrel. You who talk of gluts in the market think of the low price paid for apples 50 years ago as compared with prevailing prices. It is a fact that as fruit growing has progressed and the people have become educated in eating fruit the demand has increased faster than the supply. It was then held that standard pears were greater producers for orchard purposes than dwarfs. Nearly all of the good varieties of pears grown 50 years ago are grown now, and the same may be said of apples, but not of strawberries, raspberries, blackberries and currants. The varieties of many small fruits grown 50 years ago have been superseded and are scarcely mentioned now in catalogues. The question then was, shall we plow deep or shallow? Sub-soil plowing was deemed more important then. Questions of tillage were raised 50 years ago, but no decision had been reached. The following topics were not even dreamed of 50 years ago. These topics were, fertilization of blossoms, cover crops for orchards, tile drains for orchards, insects and diseases of fruit trees, plants and vines. Paris green was first used as an insecticide in 1872; fifteen years later methods of pollenization were introduced.

There is less progress in improving varieties now than in all else connected with horticulture. He had been shown charred apples that were eighteen hundred years old that retained their size and shape; they were not Ben Davis. The self-binder was introduced in 1876. Every plow, cultivator and almost every form of tool used fifty years ago has been superseded by better tools. No one is using the old fashioned drag used 50 years ago. All commercial fruit growing has been achieved since this society was organized. There were no fast shipments of fruit 50 years ago and no foreign markets, or cold storage, or pools and associations. There was no co-operation among fruit growers then. There were no evaporators, no fruit canning factories, no unfermented grape juice. There was then no floral culture in the commercial sense, now we have 698,000,000 feet of glass. Now flowers are a commercial commodity. Then there was no shipping of live plants by mail; look at the large shipments now of plants and flowers in this manner. Then there was no forcing of vegetable and fruit plants under glass in winter; now this is a great commercial enterprise. Then there was no professional landscape gardening. Then there were no industrial investigations,

no experiment stations, no farmer's institutes.

Methods of teaching in the schools have changed marvelously during the past fifty years. Formerly children were asked to express themselves before they had ideas to express; the child wanted to know what subject he should use in writing his essay. Now he will not be asked to write an essay until he has something in his mind to write about. In agriculture as great progress has been made as in horticulture during the past fifty years.

In 1840 Charles Downing congratulated this country on the fact that there were twelve horticultural societies in existence, working for the welfare of fruit growers. Now there are hundreds of these helpful societies scattered all over the country. During the past fifty years there has been born a new horticultural literature. Fifty years ago there were only two American books on Pomology, Downing and Thomas; Barry's book came later. Now there are 500 volumes of American horticultural books. Fifty years ago there was no horticultural press, no successful horticultural weekly or monthly publication. There were no bulletins such as we have now in large numbers from every state and from many departments. There has been a great growth of nurseries during the past fifty years.

As regards horticultural literature the reporter recalls that twenty-five years ago there was a great scarcity of such literature. The editor of Green's Fruit Grower was the first one to write a book on fruit growing to be sold at a low price and to be circulated by the hundred thousand copies. When Green's Fruit Grower was established, twenty-four years ago, there was so little written about fruits and fruit growing he had difficulty in filling his pages. Now he has difficulty in making room for a small part of the interesting literature on this subject.

Report continued in next issue of Green's Fruit Grower.

## GREEN'S FRUIT GROWER FOR THE YEAR 1905.

We have promised to increase the value of Green's Fruit Grower as the number of subscribers increase. Since our subscription list is increasing each year our promise is then that each year our publication must increase in value. We therefore expect to make this magazine more helpful and more interesting for the coming year than it ever has been before. We have been at work twenty-four years trying to learn what our readers want and what will do them the most good. Each year we are learning more on this subject, and each year we feel better equipped for our work.

For the year 1905 we expect to continue the valuable articles and answers to correspondents from Prof. H. E. Van Deman, formerly a U. S. pomologist, one of the most practical and helpful horticultural writers of the age. We also expect to retain the many other helpful correspondents in various parts of the country. We are pleased to announce that we have secured the services of Joe Cone, the Saybrook philosopher, who promises to contribute each month to Green's Fruit Grower.

Having told you what we expect to do we now ask our subscribers to stand by us, to renew their subscriptions promptly, to speak a good word for us to their neighbors, and to send us new subscribers whenever it is possible.

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Green's Nursery Co., Rochester, N. Y. —I received breeding cockerel to-day in fine condition. He is a very fine bird. I am more than pleased with him. I consider him the best one in town.—Allen P. Gaines, Granville, Mass.

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